

Antibodies & Antigens

Catalogue



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LIST OF PRODUCTS

POLYCLONAL ANTIBODIES		
Against Influenza A (Affinity Purified Rabbit IgG)		Page
IA-001-0100	Anti-HA (H1N1)	1
IA-0015-0100	Anti-H11 (A/duck/Yangzhou/906/02) (H11N2)	1
IA-003-0100	Anti-HA (H2N2)	2
IA-004-0100	Anti-HA (H3N2) (A/Wyoming)	2
IA-004A-0100	Anti-H3 (H3N2) (A/WIS/2005)	3
IA-005-0100	Anti-HA (H5N1, Human)	3
IA-005H-0100	Anti-H5 (A/Hong Kong/483/97) (H5N1)	4
IA-006-0100	Anti-HA (H5N1, Avian)	4
IA-007-0100	Anti-HA (H6N2)	5
IA-008-0100	Anti-HA (H7N2)	5
IA-009-0100	Anti-HA (H9N2)	6
IA-010-0100	Anti-HA2 (H5N1)	6
IA-011-0100	Anti-H1 (H1N1/Pan)	7
IA-012-0100	Anti-M1 (H5N1, Avian)	7
IA-013-0100	Anti-H12 (H12N5) (A/pintail/Alaska/102/05)	8
IA-014-0100	Anti-H4 (H4N6)	8
IA-020-0100	Anti-NA (H3N2)	9
IA-021-0100	Anti-NA (H5N1, Human)	9
IA-023-0100	Anti-NP (H1N1)	10
IA-025-0100	Anti-NS1 (H5N1)	10
IA-027-0100	Anti-NA (H9N2)	11
IA-028-0100	Anti-NA (H7N7)	11
IA-01SW-0100	Anti-HA (H1N1) (California/06/09)	13
IA-Pan4-0100	Anti-H3 (H3N2)	13
Against Influenza B (Affinity Purified Rabbit IgG)		
IA-031-0100	Anti-NP (Influenza B)	12
IA-032-0100	Anti-HA (Influenza B)	12
Against HIV/SIV (Affinity Purified Rabbit IgG)		
IV-001-0100	Anti-gp120/160 (HIV-1/Clade A)	14
IV-0011-0100	Anti-gp120/160 (HIV-1/Pan)	14
IV-002-0100	Anti-gp120/160 (Clade B)	15
IV-003-0100	Anti-gp120/160 (Clade C)	15
IV-005-0100	Anti-gp41 (Clade B)	16
IV-006-0100	Anti-gp41 (Clade C)	16
IV-007-0100	Anti-Gag (HIV-1/Clade A)	17
IV-007A-0100	Anti-Gag (Pan) (HIV-1)	17
IV-008-0100	Anti-Gag (HIV-1/Clade B)	18
IV-013-0100	Anti-Nef (HIV-1/Clade A)	18
IV-014-0100	Anti-Nef (Clade B)	19
IV-016-0100	Anti-p24 (HIV-1/Clade A)	19
IV-017-0100	Anti-p24 (HIV-1/Clade B)	20
IV-018-0100	Anti-p24 (HIV-1/Clade C)	20
IV-022-0100	Anti-gp120/160 (SIV/mac239)	21
IV-025-0100	Anti-Pol (SIV/mac239)	21

LIST OF PRODUCTS (Cont'd)

POLYCLONAL ANTIBODIES		
<i>HIV/SIV Related Antibodies (Affinity Purified Rabbit IgG)</i>		Page
IV-026-0100	Anti-Nef (SIV/mac239)	22
IV-027-0100	Anti-p24 (SIV/mac239)	22
IV-051-0100	Anti-Human PD1	23
IV-052-0100	Anti-DC-SIGN (Human)	23
IV-317-0100	Anti-Human CD317	24
<i>Against Rabies Virus (Affinity Purified Rabbit IgG)</i>		
RA-001-0100	Anti-Ectodomain of Glycoprotein	24
<i>Against Hepatitis Virus (Affinity Purified Rabbit IgG)</i>		
HV-002-0100	Anti-HBcAg (HBV)	25
HV-003-0100	Anti-HBeAg (HBV)	25
HV-004-0100	Anti-E1 (HCV)	26
HV-005-0100	Anti-E2 (HCV)	26
HV-011-0100	Anti-VP1 (HAV)	27
HV-012-0100	Anti-VP3 (HAV)	27
HV-013-0100	Anti-VP4 (HAV)	28
HV-0011-0100	Anti-HBsAg (Pre-S2 Specific)	28
<i>Against SARS (Affinity Purified Rabbit IgG)</i>		
SS-001-0100	Anti-Spike (SARS-CoV)	29
SS-005-0100	Anti-E (Beijing02), Anti-E (SARS-CoV)	29
SS-006-0100	Anti-N (Beijing02), Anti-NP (SARS-CoV)	30
<i>Against Measles Virus (Affinity Purified Rabbit IgG)</i>		
MV-010-0100	Anti-NP (Measles Virus)	30
<i>Against HSV (Affinity Purified Rabbit IgG)</i>		
HS-001-0100	Anti-gD (HSV-1)	31
HS-002-0100	Anti-gG (HSV-1)	31
HS-010-0100	Anti-gG (HSV-2)	32
<i>Specialty Polyclonal Antibodies</i>		
PA-000-0010	Anti-GFP, Rabbit IgG	33
PA-000-0011	Anti-Luciferase (Firefly), Rabbit IgG	33
SPECIALTY MONOCLONAL ANTIBODIES		
MA-029-0250	Anti-Taq Monoclonal Antibody (8C1)	34
MA-029-2500	Anti-Taq Monoclonal Antibody (8C1)	34
MA-039-0100	TAQ Monoclonal Antibody (8C1C)	34
MA-039-1000	TAQ Monoclonal Antibody (8C1C)	34
MA-102-0100	Anti-His-Tag Monoclonal Antibody (HT84)	35
BIO-MARKER PROTEIN		
BM-001-005P	His-Tagged Human Retinol Binding Protein	35

LIST OF PRODUCTS (Cont'd)

HIS-TAGGED RECOMBINANT PROTEINS		
Influenza Related		Page
IA-001-005P	Hemagglutinin HA1 (H1N1) protein (aa 18-345)	37
IA-0010-005P	Hemagglutinin HA1 (H1N1/PR8) protein (aa 18-345)	37
IA-0011-005P	HA1 (H1N1) (A/Solomom Islands/3/2006) (aa 18-344)	38
IA-0012-005P	HA1 (H1N1) protein (aa 18-343)	38
IA-0013-005P	HA1 (H1N1) protein (aa 18-344)	39
IA-003-005P	HA1 (H2N2) (A/Canada/720/2005) protein (aa 13-340)	39
IA-004-005P	Hemagglutinin HA1 (H3N2) protein (aa 18-347)	40
IA-0041-005P	Hemagglutinin HA1 (H3N2) protein (aa 17-346)	40
IA-0042-005P	HA1 (H3N2) protein (aa 17-345)	41
IA-005-005P	Hemagglutinin HA1 (H5N1) protein (aa 1-345)	41
IA-0051-005P	H5 (H5N1) (A/Vietnam/1203/2004) protein (aa 18-530)	42
IA-0052-005P	H5 (H5N1) (A/Indonesia/5/2005) protein (aa 18-530)	42
IA-0053-005P	H5 (H5N1) (A/Anhui/1/2005) protein (aa 18-530)	43
IA-0054-005P	HA (B/Malaysia/2506/2004) protein (amino acid 12-547)	43
IA-0055-005P	HA1 (H5N1) (A/Bar-headed Goose/Qinghai/12/2005) protein (aa 17-530)	44
IA-0056-005P	HA1 (H5N1) protein (aa 18-346)	44
IA-0057-005P	HA1 (H5N1) protein (aa 17-346)	45
IA-00511-005P	HA1 (H5N1) (A/Egypt/2321-NAMRU3/2007) (aa 17-530)	45
IA-00512-005P	HA1 (H5N1) (A/Egypt/ chicken/2253-1/2006) (aa 17-530)	46
IA-00513-005P	HA1 (H5N1) (A/goose/Guiyang/337/2006) (aa 17-530)	46
IA-00514-005P	HA1 (H5N1) (A/Japanese white-eye/Hong Kong/1038/2006) (aa 17-530)	47
IA-00515-005P	HA1 (H5N1) (A/Common magpie/Hong Kong/2256/2006) (aa 17-530)	47
IA-00516-005P	HA1 (H5N1) (A/chicken/India/NIV33487/2006) (aa 17-530)	48
IA-006-005P	HA1 (H4N6) protein (aa 17-343)	48
IA-008-005P	Hemagglutinin HA1 (H7N7) protein (aa 26-344)	49
IA-009-005P	Hemagglutinin HA1 (H9N2) protein (aa 20-339)	49
IA-010-005P	HA1 (H8N4) protein (aa 16-343)	50
IA-012-005P	HA1 (H11N2) protein (aa 17-342)	50
IA-013-005P	HA1 (H12N5) protein (aa 17-342)	51
IA-023-005P	Hemagglutinin NP (H5N1)	51
IA-B2-005P	Ectodomain of human influenza B virus (B/Florida/4/2006) HA protein (aa 17-546)	52
IA-01SW-005P	HA1 (H1N1) (A/California/06/09) (aa 18-344)	52
IA-11SW-005P	HA (H1N1) (A/California/06/09) (aa 18-530)	53

LIST OF PRODUCTS (Cont'd)

HIS-TAGGED RECOMBINANT PROTEINS		
HIV/SIV Related		Page
IV-001-005P	HIV-1 gp120 (92RW020) (Clade A) protein (aa 32-494)	53
IV-0011-005P	HIV-1 gp140 (Clade A/B/C) protein	74
IV-002-005P	HIV-1 gp120 (Clade B) protein (aa 24-518)	54
IV-002MN-005P	HIV-1 gp120 (MN) (Clade B) protein (aa 30-513)	54
IV-0021-005P	HIV-1 gp140 (Clade B) protein (aa 22-680)	55
IV-0022-005P	HIV-1 gp120 (HXBc2) (Clade B) protein (aa 34-518)	55
IV-0023-005P	HIV-1 gp120 (ADA) (Clade B) protein (aa 34-518)	56
IV-0024-005P	HIV-1 gp120 (JRFL) (Clade B) protein (aa 34-518)	56
IV-0025-005P	HIV-1 gp120 (JRCSF) (Clade B) protein (aa 30-503)	57
IV-0026-005P	HIV-1 gp120 (89.6P) (Clade B) protein (aa 34-518)	57
IV-0027-005P	HIV-1 gp120 (YU2) (Clade B) protein (aa 34-518)	58
IV-0029-005P	HIV-1 gp120 (R2) (Clade B) protein (aa 41-520)	58
IV-003-005P	HIV-1 gp120 (Clade C) protein (aa 24-515)	59
IV-0031-005P	HIV-1 gp140 (Clade C) protein (aa 24-680)	59
IV-005-005P	HIV-1 gp41 (HXBc2) protein (aa 534-681)	60
IV-017-005P	HIV-1 p24 (HXBc2) protein	60
IV-317-005P	Ectodomain of uman CD317 (Tetherin) protein (aa 24-162)	61
IV-CD4-005P	Human CD4 ectodomain protein (aa 1-398)	61
IV-rhCD4-005P	rhesus macaque CD4 protein (aa 1-398)	62
IV-RB1-005P	HIV-1 gp120 (6535) (Clade B) protein (aa 34-518)	62
IV-RB2-005P	HIV-1 gp120 (QH0692) (Clade B) protein (aa 34-518)	63
IV-RB3-005P	HIV-1 gp120 (PVO) (Clade B) protein (aa 34-518)	63
IV-RB4-005P	HIV-1 gp120 (TRO) (Clade B) protein (aa 32-518)	64
IV-RB5-005P	HIV-1 gp120 (AC10.0) (Clade B) protein (aa 36-514)	64
IV-RB6-005P	HIV-1 gp120 (pWITO4160) (Clade B) protein (aa 32-505)	65
IV-RB7-005P	HIV-1 gp120 (pTRJO4551) (Clade B) protein (aa 38-512)	65
IV-RB8-005P	HIV-1 gp120 (pREJO4541) (Clade B) protein (aa 34-518)	66
IV-RB9-005P	HIV-1 gp120 (pRHPA4259) (Clade B) protein (aa 34-518)	66
IV-RB10-005P	HIV-1 gp120 (pTHRO4156) (Clade B) protein (aa 34-518)	67
IV-RB11-005P	HIV-1 gp120 (pCAAN5342) (Clade B) protein (aa 34-518)	67
IV-RB12-005P	HIV-1 gp120 (SC422661.8) (Clade B) protein (aa 34-518)	68
IV-RC1-005P	HIV-1 gp120 (Du156.12) (Clade C) protein (aa 40-505)	68
IV-RC2-005P	HIV-1 gp120 (Du172.17) (Clade C) protein (aa 40-508)	69
IV-RC3-005P	HIV-1 gp120 (Du422.1) (Clade C) protein (aa 40-506)	69
IV-RC4-005P	HIV-1 gp120 (ZM197M.PB7) (Clade C) protein (aa 33-525)	70
IV-RC5-005P	HIV-1 gp120 (ZM214M.PL15) (Clade C) protein (aa 40-510)	70
IV-RC6-005P	HIV-1 gp120 (ZM233M.PB6) (Clade C) protein (aa 41-490)	71
IV-RC7-005P	HIV-1 gp120 (ZM249M.PL1) (Clade C) protein (aa 28-501)	71
IV-RC8-005P	HIV-1 gp120 (ZM53M.PB12) (Clade C) protein (aa 46-490)	72
IV-RC9-005P	HIV-1 gp120 (ZM109F.PB4) (Clade C) protein (aa 40-489)	72
IV-RC10-005P	HIV-1 gp120 (ZM135M.PL10a) (Clade C) protein (aa 35-502)	73
IV-RC11-005P	HIV-1 gp120 (CAP45.2.00) (Clade C) protein (aa 34-518)	73
IV-RC12-005P	HIV-1 gp120 (CAP210.2.00) (Clade C) protein (aa 40-513)	74

LIST OF PRODUCTS (Cont'd)

HIS-TAGGED RECOMBINANT PROTEINS		
OTHERS		Page
SS-001-005P	SARS Spike (Beijing02) (SARS-CoV) protein (aa 1-1190)	75
HV-005-005P	Hepatitis C virus E2 protein (aa 383-663)	75
WN-001-005P	West Nile virus E protein ectodomain (aa 291-696)	76
WN-0011-005P	West Nile virus E protein ectodomain (aa 590-696)	76

What is unique about eENZYME's polyclonal antibodies?

eENZYME's rabbit polyclonal antibodies were raised against the full-length viral proteins expressed *in vivo* in their native forms *via* an improved genetic immunization protocol. These antibodies are of high specificity and high affinity.

What is unique about eENZYME's recombinant viral proteins?

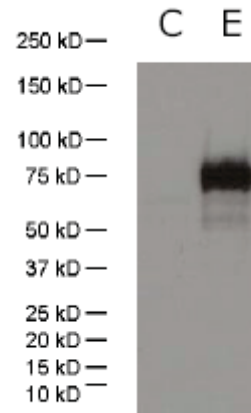
eENZYME's recombinant viral proteins are of full length and are tagged with 6xHis at the C-terminals. They were expressed in and purified from human 293 cell culture. Thus, they are in their native forms with correct folding and post translational modification including glycosylation and phosphorylation.

Against Influenza A

Anti-HA (H1N1)

CATALOG NUMBER: IA-001-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-343) (H1N1) (A/New Caledonia/20/99) (Genebank No. ABF21272).
Specificity	Reacts with human and avian H1(H1N1). Cross-reactivity to other HAs not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

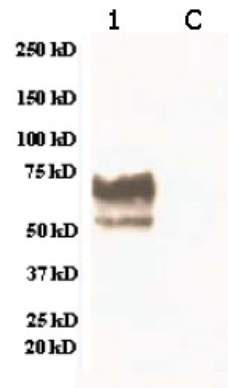


C: 293 cell extract control
E: 293 cell expressing H1N1

Anti-H11 (H11N2) (A/Duck/Yangzhou/906/02) (H11N2)

CATALOG NUMBER: IA-0015-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 19-342) (A/duck/Yangzhou/906/02) (H11N2) (Genebank No. AAY85533).
Specificity	Reacts with hemagglutinin (H11N2) protein. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

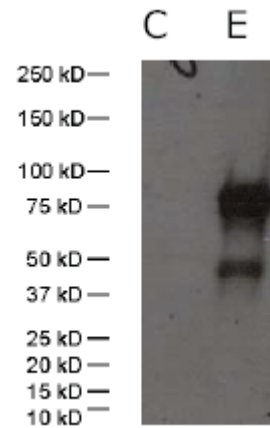


C: 293 cell extract control
1: 293 cell expressing HA(A/duck/Yangzhou/906/02)(H11N2)

Anti-HA (H2N2)

CATALOG NUMBER: IA-003-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-343) (H2N2) (A/Chicken/NY/29878/91) (Genebank No. AAD43236)
Specificity	Reacts with human and avian H2 (H2N2). Cross-reactivity to other HAs not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



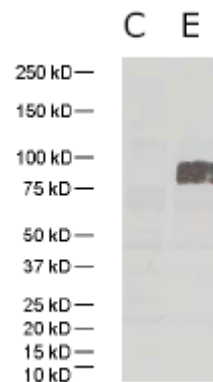
C: 293 cell extract control
E: 293 cell expressing H2N2

*Note: The upper band is HA, while the lower band is HA1.

Anti-HA (H3N2)

CATALOG NUMBER: IA-004-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-343) (H3N2) (A/Wyoming/3/03) (Genebank No. AAT08000).
Specificity	Reacts with human and avian H3 (H3N2). Cross-reactivity to other HAs not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

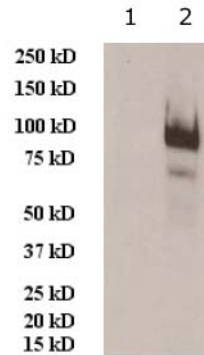


C: 293 cell extract control
E: 293 cell expressing H3N2

Against Influenza A

Anti-H3 (H3N2) (A/WIS/2005)**CATALOG NUMBER: IA-004A-0100, 100 µg**

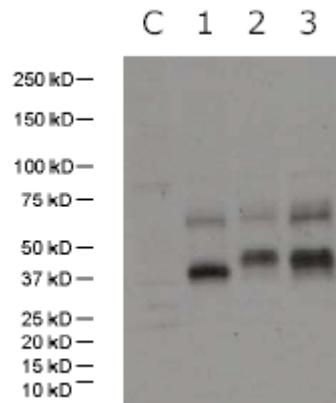
Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 17-46) (H3N2) (A/Wisconsin/67/X-161/2005) protein (Genebank No. AB037609).
Specificity	Reacts with contemporary H3 (H3N2) proteins. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
E: 293 cell expressing H3 (H3N2) (A/Wis/2005)

Anti-HA (H5N1, HUMAN)**CATALOG NUMBER: IA-005-0100, 100 µg**

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-345) (H5N1) (A/Vietnam/1203/2004) (Genebank No. AY651334).
Specificity	Reacts with human and avian H5(H5N1). Cross-reactivity to other HAs not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



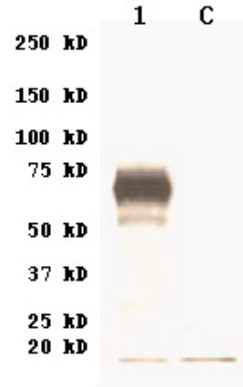
C: 293 cell extract control
1: 293 cell expressing H5 (1997) subtype
2: 293 cell expressing H5 (2004) subtype
3: 293 cell expressing H5 (2005) subtype

Against Influenza A

Anti-H5 (A/Hong Kong/483/97) (H5N1)

CATALOG NUMBER: IA-005H-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 18-346) (A/Hong Kong/483/97) (H5N1) (Genebank No. AAC32099).
Specificity	Reacts with hemagglutinin (H5N1) protein. Cross reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

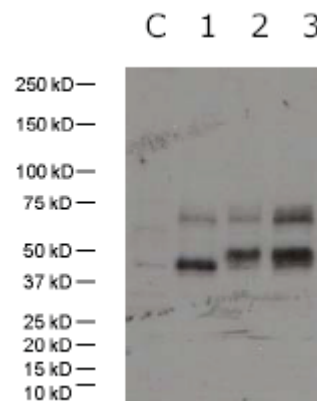


C: 293 cell extract control
1: 293 cell expressing HA (H5N1) (A/Hong Kong/483/97)

Anti-HA (H5N1, AVIAN)

CATALOG NUMBER: IA-006-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-345) (H5N1) (A/Bar-headed Goose/ Qinghai/12/05) (Genebank No. ABE68927).
Specificity	Reacts with human and avian H5 (H5N1). Cross-reactivity to other HAs not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
1: 293 cell expressing H5 (1997) subtype
2: 293 cell expressing H5 (2004) subtype
3: 293 cell expressing H5 (2005) subtype

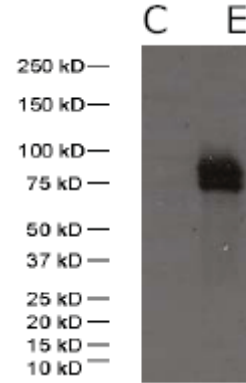
*Note: The upper band is HA,
while the lower band is HA1.

Against Influenza A

Anti-HA (H6N2)

CATALOG NUMBER: IA-007-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-343) (H6N2) (A/duck/Hainan/6/2004) (Genebank No. AAV41833)
Specificity	Reacts with avian H6 (H6N2). Cross-reactivity to other HAs not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

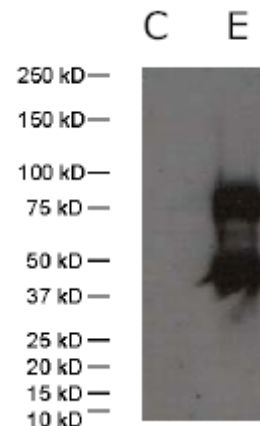


C: 293 cell extract control
E: 293 cell expressing H6N2

Anti-HA (H7N2)

CATALOG NUMBER: IA-008-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-345) (H7N2) (A/chicken/MD/MINHMA/2004) (Genebank No. AAV98695)
Specificity	Reacts with human and avian H7 (H7N2). Cross-reactivity to other HAs not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



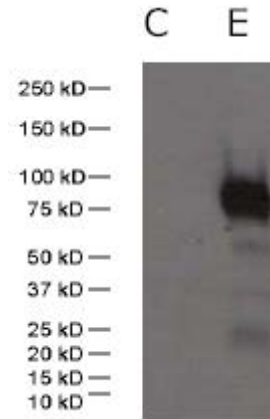
C: 293 cell extract control
E: 293 cell expressing H7N2

*Note: The upper band is HA, while the lower band is HA1.

Anti-HA (H9N2)

CATALOG NUMBER: IA-009-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 1-345) (H9N2) (A/chicken/HongKong/NT366/03) (Genebank No. AAU11163)
Specificity	Reacts with human and avian H9 (H9N2). Cross-reactivity to other Has not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

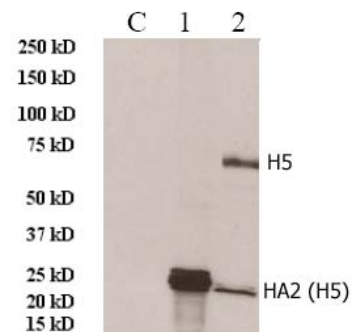


C: 293 cell extract control
E: 293 cell expressing H9N2

Anti-HA2 (H5N1)

CATALOG NUMBER: IA-010-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HA2 (H5N1) (amino acid 347 523) protein (Genebank No. AY651334).
Specificity	Reacts with HA and HA2 (H5N1) proteins. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



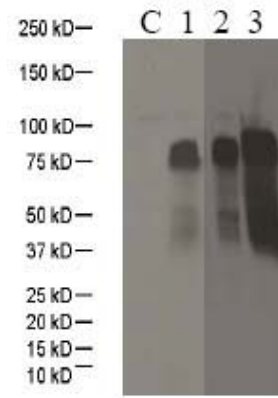
C: 293 cell extract control
1: 293 cell expressing HA2 (H3N2)
2: 293 cell expressing HA (H5N1)

Against Influenza A

Anti-H1 (H1N1/Pan)

CATALOG NUMBER: IA-011-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed multiple H1 proteins (IA-001-005P, IA-0010-005P, and IA-0013-005P).
Specificity	Reacts with human and avian H1 proteins from different periods of history.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

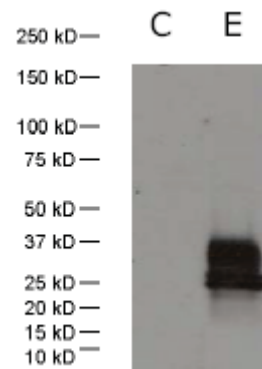


C: 293 cell extract control
1: 293 cell expressing H1 (1918)
2: 293 cell expressing H1 (1934)
3: 293 cell expressing H1 (2006)

Anti-M1 (H5N1, Human)

CATALOG NUMBER: IA-012-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed matrix protein M1 (H5N1) (A/ Vietnam/1203/2004) (Genebank No. AAW80726)
Specificity	Reacts with human and avian Matrix protein M1 (H5N1). Cross-reactivity to other M1 not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

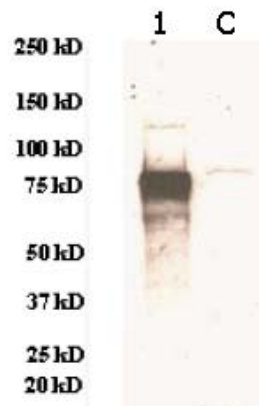


C: 293 cell extract control
E: 293 cell expressing M1

Anti-H12 (A/pintail/Alaska/102/05) (H12N5)

CATALOG NUMBER: IA-013-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 18-342) (A/pintail/Alaska/102/05) (H12N5) (Genebank No. ABL67077)
Specificity	Reacts with hemagglutinin (H12N5) protein. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
E: 293 cell expressing HA(H12N5)

Anti-H4 (A/environment/Maryland/1101/06) (H4N6)

CATALOG NUMBER: IA-014-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hemagglutinin (amino acid 17-343) (A/environment/Maryland/1101/06) (H4N6) (Genebank No. ABV01167)
Specificity	Reacts with hemagglutinin of H4N6. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
1: 293 cell expressing HA(H4N6)

Against Influenza A

Anti-NA (H3N2, HUMAN)

CATALOG NUMBER: IA-020-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed NA from Influenza A virus (H3N2) (A/Wyoming/3/03) (Genebank No. ACF54568)
Specificity	Reacts with Influenza A NA (H3N2) protein. Cross-reactivity to other NA proteins not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

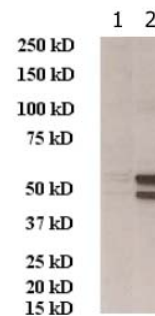


C: 293 cell extract control
E: 293 cell expressing NA (H3N2)

Anti-NA (H5N1)

CATALOG NUMBER: IA-021-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed NA from Influenza A virus (H5N1) (A/Vietnam/1203/2004) (Genebank No. ABP52008)
Specificity	Reacts with human and avian Nucleocapsid protein NP (H1N1). Cross-reactivity to most NP from other subtypes.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

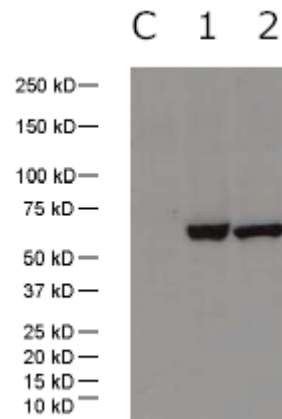


1: 293 cell extract control
2: 293 cell expressing NA (H5N1)

Anti-NP (H1N1)

CATALOG NUMBER: IA-023-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed nucleocapsid protein NP (H1N1) (A/New Caledonia/20/ 1999) (Genebank No. ABF21286)
Specificity	Reacts with human and avian Nucleocapsid protein NP (H1N1). Cross-reactivity to most NP from other subtypes.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

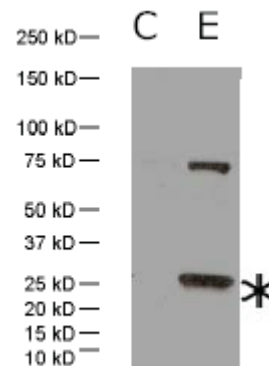


C: 293 cell extract control
1: 293 cell expressing NP (H1N1)
2: 293 cell expressing NP (H5N1)

Anti-NS1 (H5N1, human)

CATALOG NUMBER: IA-025-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed nonstructural protein 1 (NS1) (H5N1) (A/Vietnam/1203/2004) (Genebank No. AAW80934)
Specificity	Reacts with human and avian nonstructural protein 1(NS1) (H5N1). Cross-reactivity to NS1 from other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



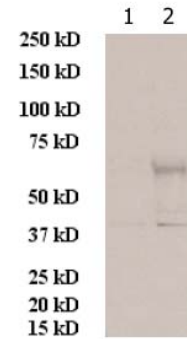
C: 293 cell extract control
E: 293 cell expressing NS1, band at *

Against Influenza A

Anti-NA (H9N2, HUMAN)

CATALOG NUMBER: IA-027-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed NA from Influenza A virus (H9N2) (A/Chicken/Hong Kong/NT366/03) (Genebank No. AAV28392)
Specificity	Reacts with Influenza A NA (H9N2) protein. Cross-reactivity to other NA proteins not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

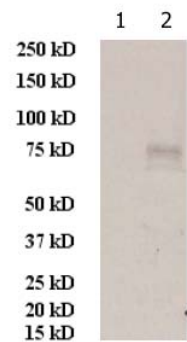


1: 293 cell extract control
2: 293 cell expressing NA (H9N2)

Anti-NA (H7N7)

CATALOG NUMBER: IA-028-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed NA from Influenza A virus (H7N7) (A/Chicken/MD/MINHMA/2004) (Genebank No. AAR11365)
Specificity	Reacts with Influenza A NA (H7N7) protein. Cross-reactivity to other NA proteins not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

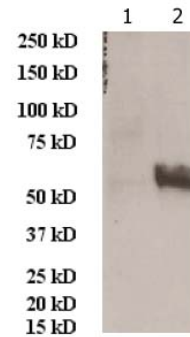


1: 293 cell extract control
2: 293 cell expressing NA (H7N7)

Anti-NP (Influenza B)

CATALOG NUMBER: IA-031-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed NP from influenza B virus (B/Malaysia/2506/2004) (Genebank No. ABQ10064)
Specificity	Reacts with human and avian Nucleocapsid protein NP (H1N1). Cross-reactivity to most NP from other subtypes.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

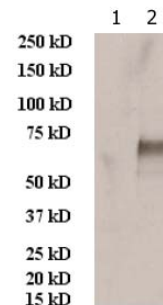


1: 293 cell extract control
2: 293 cell expressing NP (Influenza B)

Anti-HA (Influenza B)

CATALOG NUMBER: IA-032-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HA from influenza B virus (B/Malaysia/2506/2004) (Genebank No. ABQ10064)
Specificity	Reacts with Influenza B HA protein. Cross-reactivity not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



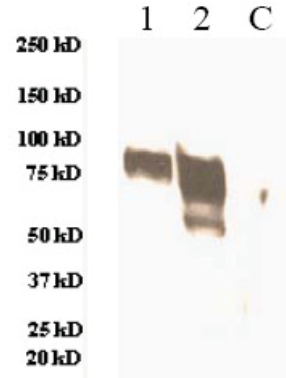
1: 293 cell extract control
2: 293 cell expressing HA (Influenza B)

Against Influenza A

Anti-H3 (H3N2)

CATALOG NUMBER: IA-Pan4-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed three hemagglutinins (amino acid 17-346) (H3N2) (Genebank No. AAT08000, ABO37609, EU199248)
Specificity	Reacts with most H3 (H3N2) proteins. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

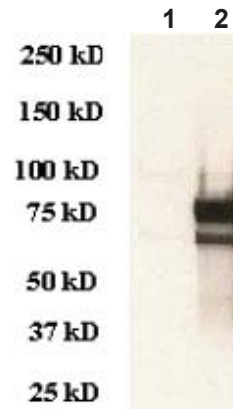


C: 293 cell extract control
 1: 293 cell expressing H3 (A/Wyoming/3/03)(H3N2)
 2: 293 cell expressing H3 (A/Brisbane/10/07)(H3N2)

Anti-HA (A/California/06/09) (H1N1)

CATALOG NUMBER: IA-01SW-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HA from the swine Influenza A virus (A/California/06/09) (H1N1) protein (Genebank No. ACP41935)
Specificity	Reacts with HA (A/California/06/09) (H1N1) protein. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

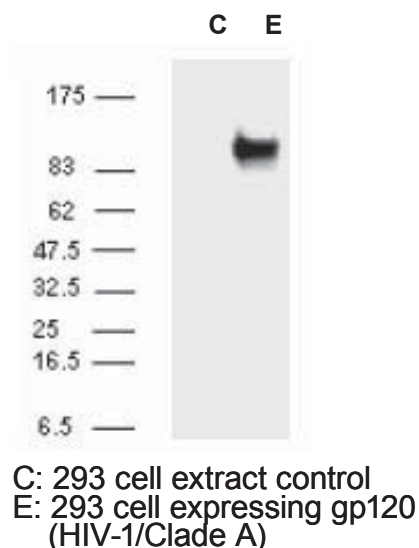


1: 293 cell extract control
 2: 293 cell expressing HA (A/California/06/09) (H1N1)

Anti-gp120/160 (HIV-1/Clade A)

CATALOG NUMBER: IV-001-0100, 100 µg

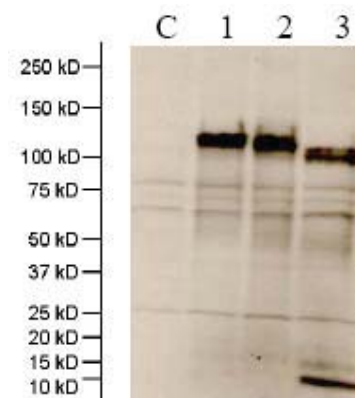
Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed gp140 Env protein (amino acid 1-486) (HIV-1/Clade A) (Genebank No. AF084657).
Specificity	Reacts with HIV-1 (Clade A) gp120/160 proteins. Cross-reactivity to envelop proteins from other clades of tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



Anti-gp120/160 (HIV-1/Pan)

CATALOG NUMBER: IV-0011-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 gp140 proteins (Clade A/B/C).
Specificity	Reacts with HIV-1 (Clade A/B/C) gp120/160 proteins.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous. No MSDS required.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

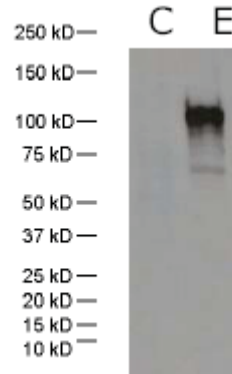


Against HIV/SIV

Anti-gp120/160 (HIV-1/Clade B)

CATALOG NUMBER: IV-002-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 gp120 envelope protein (HXBc2) (Genebank No. K03455).
Specificity	Reacts with HIV-1 gp120/160 (Clade B). Cross-reactivity to gp120/160 from other Clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

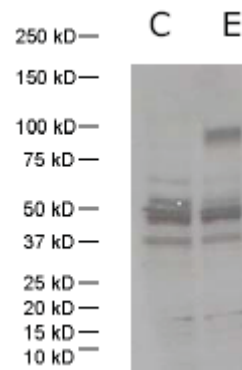


C: 293 cell extract control
E: 293 cell expressing gp120 (Clade B)

Anti-gp120/160 (Clade C)

CATALOG NUMBER: IV-003-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 gp120 (clade C) (C.ZA.1197MB) (Genebank No. AY463234).
Specificity	Reacts with gp120/160 (Clade C). Cross-reactivity to gp120/160 from other Clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

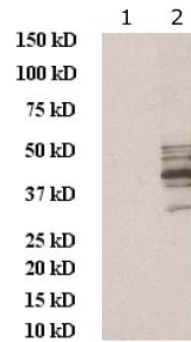


C: 293 cell extract control
E: 293 cell expressing gp120 (Clade C)

Anti-gp41 (HIV-1/Clade B)

CATALOG NUMBER: IV-005-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 gp41 proteins (amino acid 512-684) (Genebank No. K03455).
Specificity	Reacts with gp41 (Clade B) proteins. Cross-reactivity to other clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous. No MSDS required.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

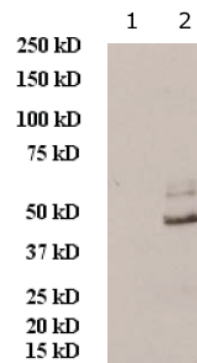


1: 293 cell extract control
2: 293 cell expressing gp41 (HXBc2)

Anti-gp41 (HIV-1/Clade C)

CATALOG NUMBER: IV-006-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 gp41 (amino acid 512-684) (Genebank No. AY463234).
Specificity	Reacts with gp41 (Clade C) proteins. Cross-reactivity to other clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



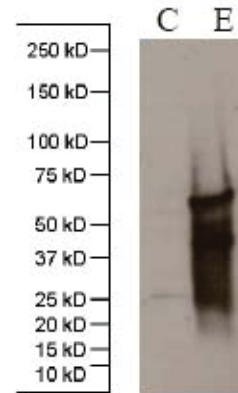
1: 293 cell extract control
2: 293 cell expressing gp41 (Clade C)

Against HIV/SIV

Anti-Gag (HIV-1/Clade A)

CATALOG NUMBER: IV-007-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 Gag protein (Clade A) (Genebank No. AY772985).
Specificity	Reacts with HIV-1 (Clade A) p55 Gag protein and p24 matrix protein. Cross-reactivity to Gag from other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

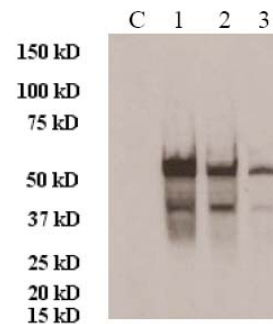


C: 293 cell extract control
E: 293 cell expressing Gag (Clade A)

Anti-Gag (Pan) (HIV-1)

CATALOG NUMBER: IV-007A-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 Gag (Con of Cons/2006) (http://www.hiv.lanl.gov)
Specificity	Reacts with HIV-1 Gag protein. Recognizes Gag polyproteins from Clades A, B, and C HIV-1 viruses.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

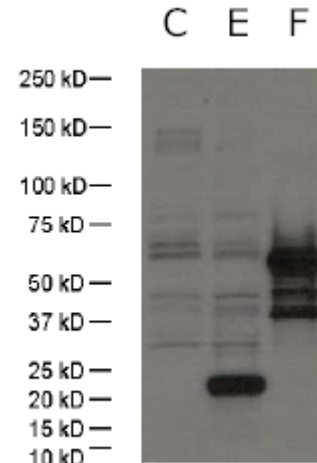


C: 293 cell extract control
1: 293 cell expressing Gag (Clade C)
2: 293 cell expressing Gag (Clade B)
3: 293 cell expressing Gag (Clade A)

Anti-Gag (HIV-1/Clade B)

CATALOG NUMBER: IV-008-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 Gag (Clade B) protein (Genebank No. K03455).
Specificity	Reacts with HIV-1 p24 and Gag (Clade B) proteins. Cross-reactivity to Gag from other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

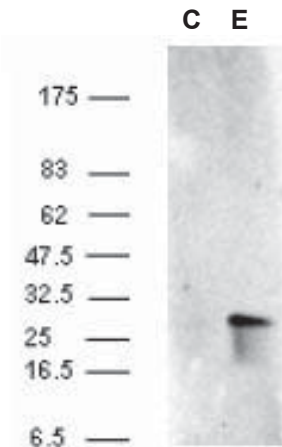


C: 293 cell extract control
E: 293 cell expressing Gag (Clade A)
F: 293 cell expressing Gag (Clade B)

Anti-Nef (HIV-1/Clade A)

CATALOG NUMBER: IV-013-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed Nef (HIV-1/Clade A) protein (Genebank No. AF084657).
Specificity	Reacts with Nef protein from HIV-1/Clade A viruses. Cross-reactivity to Nef from other clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
E: 293 cell expressing Nef

Anti-Nef (Clade B)

CATALOG NUMBER: IV-014-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 Nef(B) (HXBc2) protein (Genebank No. K03455)
Specificity	Reacts with HIV-1 Nef (B). Cross-reactivity to Nef from other clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

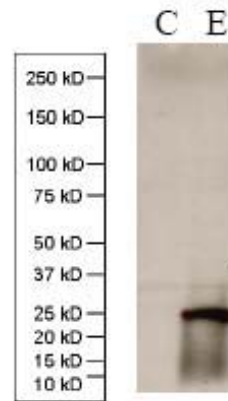


C: 293 cell extract control
E: 293 cell expressing Nef (B)

Anti-p24 (HIV-1/Clade A)

CATALOG NUMBER: IV-016-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HIV-1 p24 matrix protein (Clade A) (Genebank No. AF084657).
Specificity	Reacts with HIV-1 (Clade A) p55 Gag protein and p24 matrix protein. Cross-reactivity to proteins from other clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

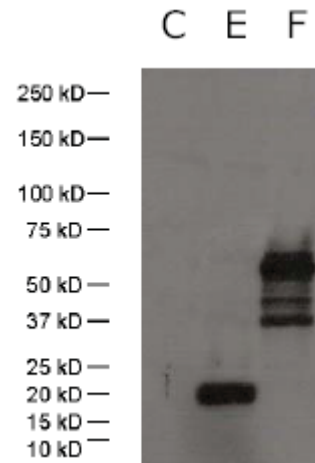


C: 293 cell extract control
E: 293 cell expressing p24 (Clade A)

Anti-p24 (HIV-1/Clade B)

CATALOG NUMBER: IV-017-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed p24 (HIV-1/HXBc2) (Genebank No. K03455).
Specificity	Reacts with HIV-1 p24 and Gag (Clade B) proteins. Cross-reactivity to p24 and Gag from other clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

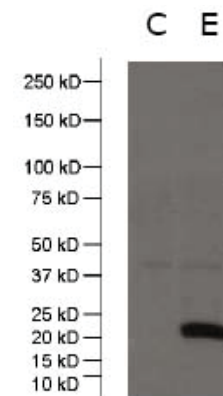


C: 293 cell extract control
E: 293 cell expressing p24 (Clade B)
F: 293 cell expressing Gag (Clade B)

Anti-p24 (HIV-1/Clade C)

CATALOG NUMBER: IV-018-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed p24 (HIV-1/C.ZA.1197MB) (Genebank No. AY463234).
Specificity	Reacts with HIV-1 p24 and Gag (Clade C) proteins. Cross-reactivity to p24 and Gag from other clades not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



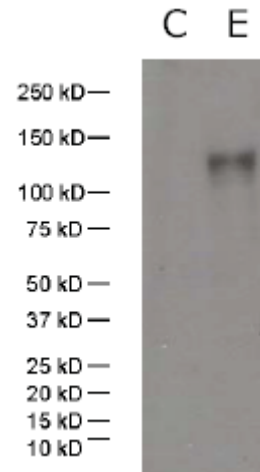
C: 293 cell extract control
E: 293 cell expressing p24 (Clade C)

Against HIV/SIV

Anti-gp120/160 (SIV/mac239)

CATALOG NUMBER: IV-022-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed p24 gp120 (SIV/mac239) protein (Genebank No. M33262).
Specificity	Reacts with SIV gp120/160 proteins.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

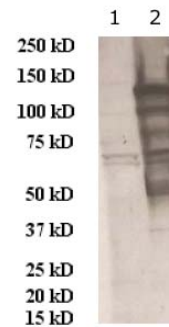


C: 293 cell extract control
E: 293 cell expressing gp120 (SIV)

Anti-Pol (SIV/mac239)

CATALOG NUMBER: IV-025-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed SIV-1 Pol protein (Genebank No. M33262).
Specificity	Reacts with SIV gp120/160 proteins.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



1: 293 cell extract control
2: 293 cell expressing Pol (SIV)

Anti-Nef (SIV-1/mac239)

CATALOG NUMBER: IV-026-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed SIV Nef protein (Genebank No. M33262).
Specificity	Reacts with SIV Nef protein. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

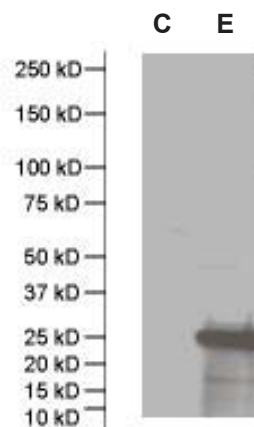


C: 293 cell extract control
E: 293 cell expressing Nef (SIV/mac239)

Anti-p24 (SIV-1/mac239)

CATALOG NUMBER: IV-027-0100, 100 µg

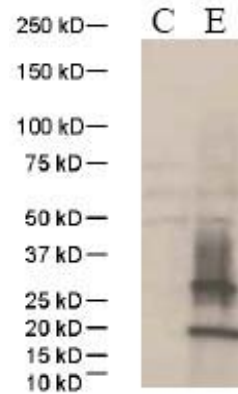
Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed SIV capsid protein p24 (Genebank No. M33262).
Specificity	Reacts with SIV capsid protein p24. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
E: 293 cell expressing p24 (SIV/mac239)

Anti-Human PD1**CATALOG NUMBER: IV-051-0100, 100 µg**

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed Human PD-1 (amino acid 1-167) (Genebank No. NP_005009).
Specificity	Reacts with human PD-1 protein. Cross-reactivity to PD-1 from other species not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

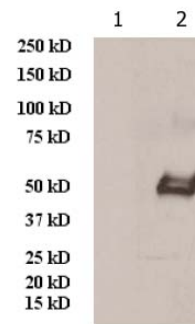


C: 293 cell extract control
E: 293 cell expressing human PD-1
(a.a. 1-167)

*Note: up-band may represent fully glycosylated protein.

Anti-DC-SIGN (Human)**CATALOG NUMBER: IV-052-0100, 100 µg**

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed human DC-SIGN (Genebank No. AAK20997).
Specificity	Reacts with human DC-SIGN protein. Cross-reactivity to other NA proteins not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

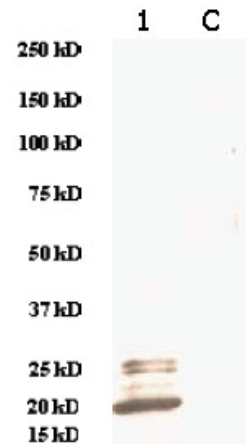


1: 293 cell extract control
2: 293 cell expressing human DC-SIGN

Anti-Human CD317

CATALOG NUMBER: IV-317-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed ectodomain of human CD317 (Tetherin) protein (amino acid 24-162) (Genebank No. BC033873)
Specificity	Reacts with ectodomain of human CD317 (Tetherin) protein.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



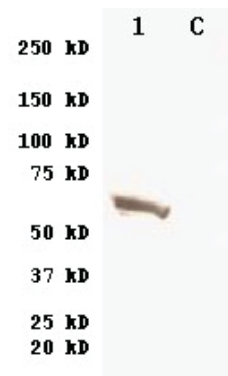
C: 293 cell extract control
1: 293 cell expressing human CD317

Against Rabies Virus

Anti-Ectodomain of Glycoprotein (Rabies Virus)

CATALOG NUMBER: RA-001-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed ectodomain of glycoprotein (GP) of Rabies virus (Genebank No. EU311738).
Specificity	Reacts with glycoprotein from Rabies virus. Cross-reactivity with glycoprotein from other Rhabdoviruses not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



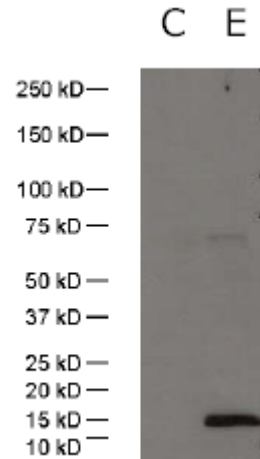
C: 293 cell extract control
1: 293 cell expressing glycoprotein of Rabies virus

Against Hepatitis Virus

Anti-HBcAg (HBV)

CATALOG NUMBER: HV-002-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA (1:1000-1:5000). May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HBcAg protein (Genebank No. AY040627).
Specificity	Reacts with HBV HBcAg antigen. Cross-reactivity to other protein not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

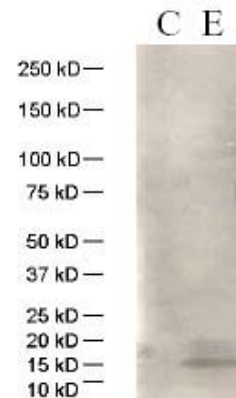


C: 293 cell extract control
E: 293 cell expressing HBcAg (HBV)

Anti-HBeAg (HBV)

CATALOG NUMBER: HV-003-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA (1:1000-1:5000). May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hepatitis B virus HBeAg protein (Genebank No. AA063518).
Specificity	Reacts with HBV HBeAg antigen. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

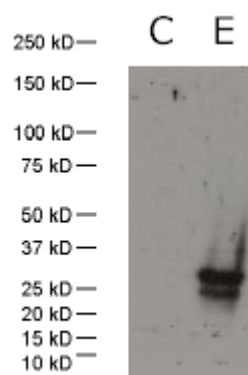


C: 293 cell extract control
E: 293 cell expressing HBeAg (HBV)

Anti-E1 (HCV)

CATALOG NUMBER: HV-004-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hepatitis C virus (HCV) envelope protein 1 (E1) (Genebank No. AY460204).
Specificity	Reacts with E1 (HCV). Cross-reactivity to E1 from other HCV not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

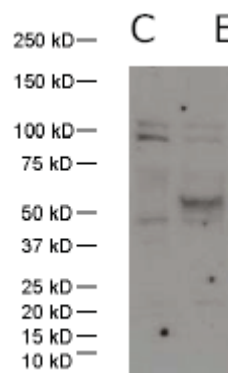


C: 293 cell extract control
E: 293 cell expressing E1 (HCV)

Anti-E2 (HCV)

CATALOG NUMBER: HV-005-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hepatitis C virus (HCV) envelope protein 2 (E2) (Genebank No. AY460204).
Specificity	Reacts with E2 (HCV). Cross-reactivity to E2 from other HCV not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



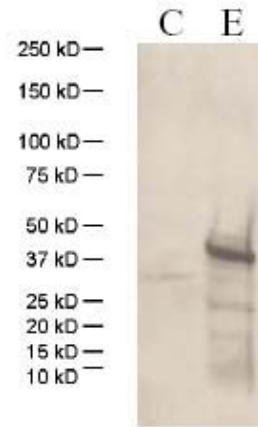
C: 293 cell extract control
E: 293 cell expressing E2 (HCV)

Against Hepatitis Virus

Anti-VP1 (HAV)

CATALOG NUMBER: HV-011-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA (1:1000-1:5000). May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hepatitis A virus VP1 protein (Genebank No. AAM08224).
Specificity	Reacts with HAV VP1 precursor proteins. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

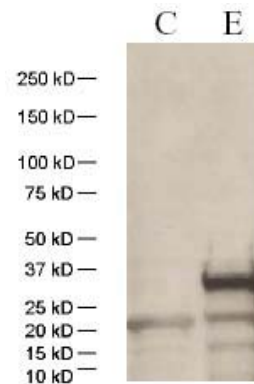


C: 293 cell extract control
E: 293 cell expressing VP1 (HAV)

Anti-VP3 (HAV)

CATALOG NUMBER: HV-012-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA (1:1000-1:5000). May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hepatitis A virus VP3 protein (Genebank No. AAM08224).
Specificity	Reacts with HAV VP3 and VP3 precursor proteins. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

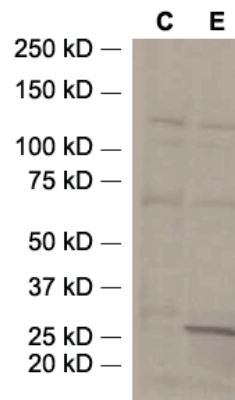


C: 293 cell extract control
E: 293 cell expressing VP3 (HAV)

Anti-VP4 (HAV)

CATALOG NUMBER: HV-013-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed hepatitis A virus VP4 protein (Genebank No. AAM08224).
Specificity	Reacts with HAV VP4 and VP4 precursor proteins. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

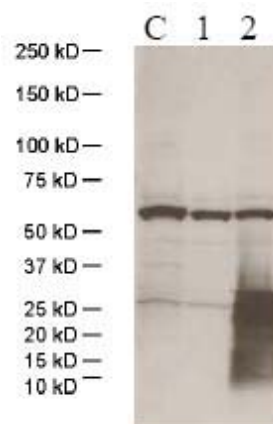


C: 293 cell extract control
E: 293 cell expressing VP4 (HAV)

Anti-HBsAg (Pre-S₂ Specific)

CATALOG NUMBER: HV-0011-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed HBsAg Pre-S ₂ protein (Genebank No. AY040627).
Specificity	Reacts with Pre-S ₂ of HBsAg antigen from HBV. Not cross-react to HBsAg antigen.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

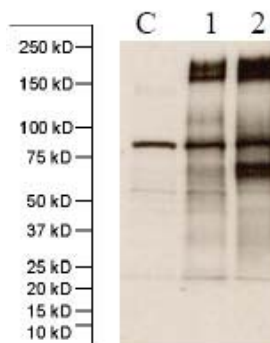


C: 293 cell extract control
1: 293 cell expressing HBsAg
2: 293 cell expressing Pre-S₂

*Note: three different forms of Pre-S₂ detected.

Anti-Spike (SARS-CoV)**CATALOG NUMBER: SS-001-0100, 100 µg**

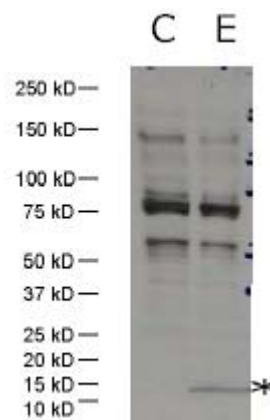
Applications	Western blot (1:100-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed spike protein of SARS-CoV (Beijing02) (Genebank No. AF372624).
Specificity	Reacts with spike protein of SARS-CoV. Cross-reacts to most spike proteins from other subtypes of SARS-CoV.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
1: 293 cell expressing S (Beijing02)
2: 293 cell expressing S (SZ3)

Anti-E (SARS-CoV)**CATALOG NUMBER: SS-005-0100, 100 µg**

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed envelope protein (E) (Beijing02) (Genebank No. AY278487).
Specificity	Reacts with E (SARS-CoV). Cross-reactivity to E from other SARS-CoV not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



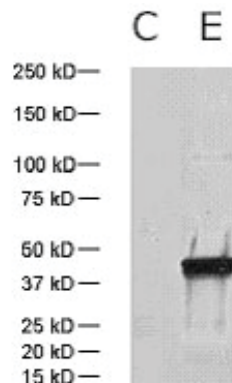
C: 293 cell extract control
E: 293 cell expressing E (SARS-CoV) at *

Against SARS

Anti-NP (SARS-CoV)

CATALOG NUMBER: SS-006-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed nucleocapsid protein (NP) (Beijing02) (Genebank No. AY278487).
Specificity	Reacts with NP (SARS-CoV). Cross-reactivity to NP from other SARS-CoV not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



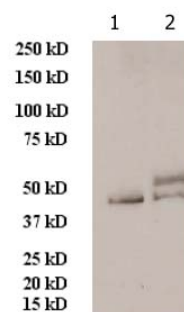
C: 293 cell extract control
E: 293 cell expressing NP (SARS-CoV)

Against Measles Virus

Anti-NP (Measles Virus)

CATALOG NUMBER: MV-010-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed NP protein (Measles Virus) (Genebank No. ABV69625).
Specificity	Reacts with NP protein from Measles virus. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



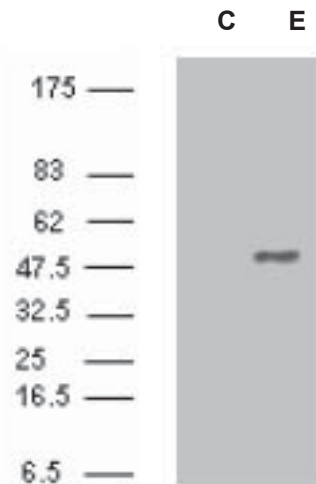
1: 293 cell extract control
2: 293 cell expressing NP (Measles Virus)

Against Herpes Virus

Anti-gD (HSV-1)

CATALOG NUMBER: HS-001-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed glycoprotein D of human herpes virus 1 (HSV-1) (Genebank No. AF372624).
Specificity	Reacts with HSV-1 glycoprotein gD. Cross-reactivity to gD from other herpes viruses not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

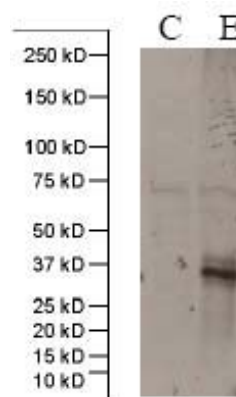


C: 293 cell extract control
E: 293 cell expressing gD (HSV-1)

Anti-gG (HSV-1)

CATALOG NUMBER: HS-002-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed glycoprotein G of human herpes virus 1 (HSV-1) (Genebank No. CAF24800).
Specificity	Reacts with glycoprotein G of human herpes virus 1 (HSV-1). Cross-reactivity to gG from other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

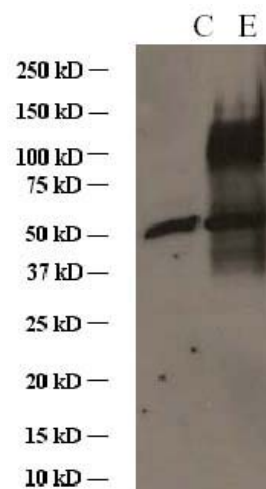


C: 293 cell extract control
E: 293 cell expressing gG

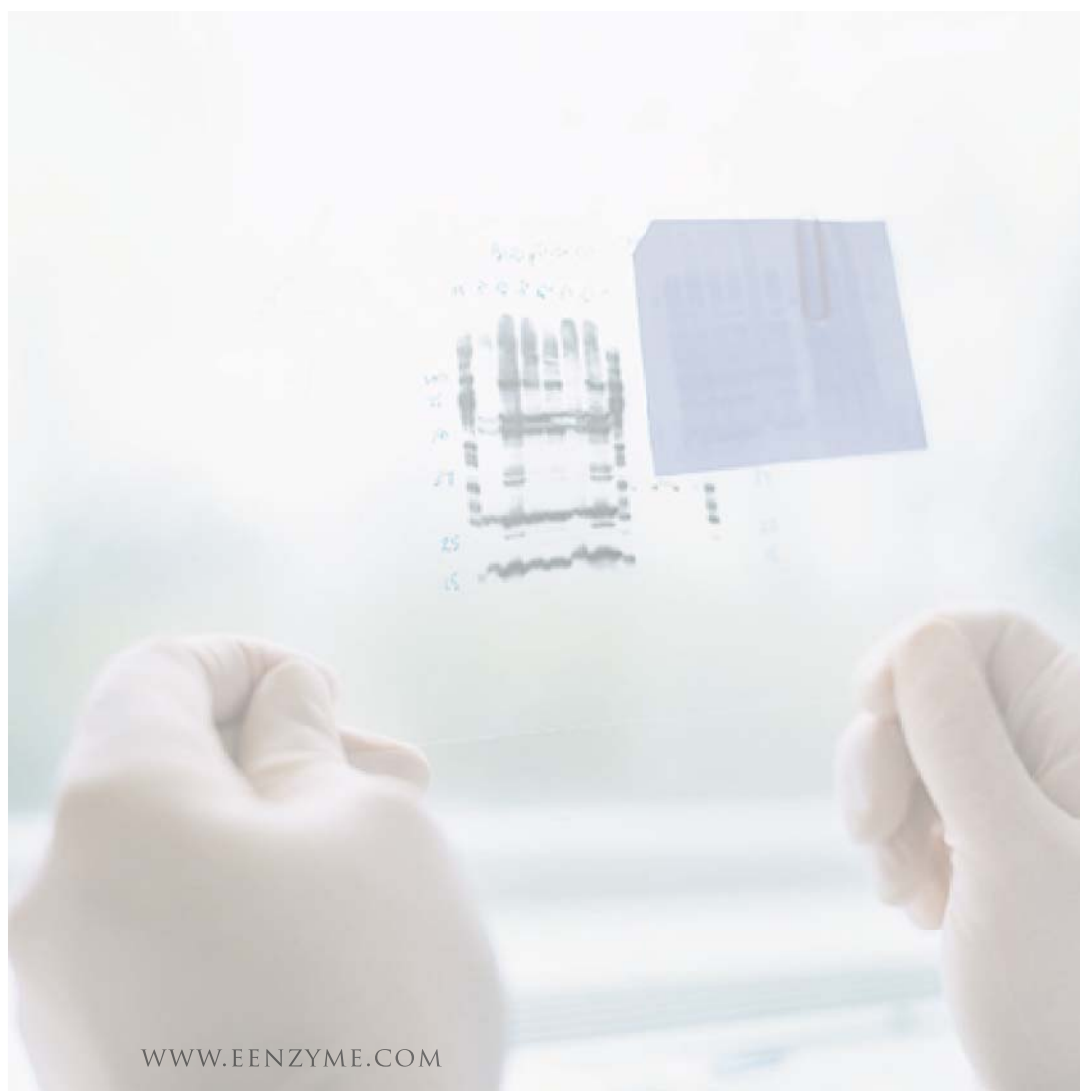
Anti-gD (HSV-2)

CATALOG NUMBER: HS-010-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	<i>in vivo</i> expressed human HSV-2 gG protein (amino acid 23-650) (Genebank No. NP_044534).
Specificity	Reacts with HSV-2 glycoprotein gD. Cross-reactivity to other subtypes not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



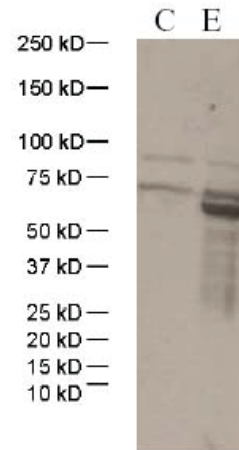
C: 293 cell extract control
E: 293 cell expressing gD (HSV-2)



Anti-Luciferase (Firefly)

CATALOG NUMBER: PA-000-0011, 100 µg

Applications	Western blot (1:200-1:1000). May be used for other applications.
Description	Rabbit polyclonal antibody.
Immunogen	Firefly luciferase protein (Genebank No. ABI94443)
Specificity	Reacts with firefly luciferase protein. Cross-reactivity to other luciferase proteins not tested.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 6 months from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

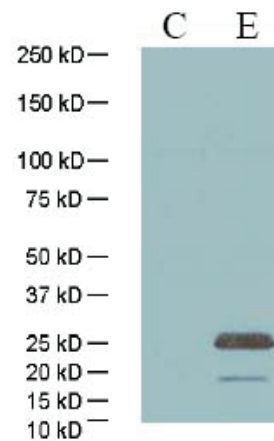


C: 293 cell extract control
E: 293 cell expressing luciferase (Firefly)

Anti-GFP

CATALOG NUMBER: PA-000-0010, 100 µg

Applications	Western blot (1:100-1:1000); Immuno-precipitation.
Description	Rabbit polyclonal antibody.
Immunogen	Green Fluorescent Protein (GFP) (Genebank No. CAF24800).
Specificity	Reacts with Green Fluorescent Protein. Cross-reactivity to most GFP derivatives.
Purification	Immunoaffinity chromatography.
Isotype	IgG.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.



C: 293 cell extract control
E: 293 cell expressing GFP

TAQ Monoclonal Antibody (8C1C)

CATALOG NUMBER: MA-039-0100, 100 µg

MA-039-1000, 1 mg

Applications	Hot start PCR amplification
Description	Mouse monoclonal antibody to Taq DNA polymerase
Immunogen	Full length Taq DNA polymerase
Specificity	Reacts with various commercially available Taq DNA polymerases (native or recombinant).
Purity	> 95% by SDS PAGE gel
Isotype	IgG2b
Clone Number	8C1C
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	4 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

Note: glycerol free TAQ Monoclonal Antibody is available for bulk orders (≥ 10 mg).

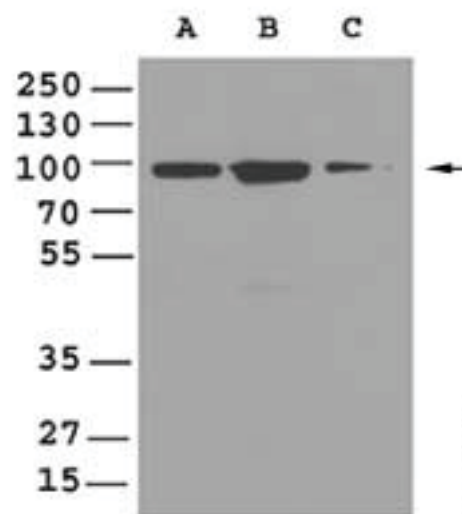
Anti-TaQ Monoclonal Antibody (8C1)

CATALOG NUMBER: MA-029-0250, 250 Units (100 µg)

MA-029-2500, 1 mg

Applications	Hot start PCR amplification
Description	Mouse monoclonal antibody to Taq DNA polymerase
Immunogen	Full length Taq DNA polymerase
Specificity	Reacts with various commercially available Taq DNA polymerases (native or recombinant).
Purity	> 95% by SDS PAGE gel
Isotype	IgG2b
Clone Number	8C1
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	4 µg/µl in PBS with less than 0.1% gelatin and 0.1% sodium azide.

Note: glycerol free Anti-TaQ Monoclonal Antibody is available for bulk orders (≥ 10 mg).



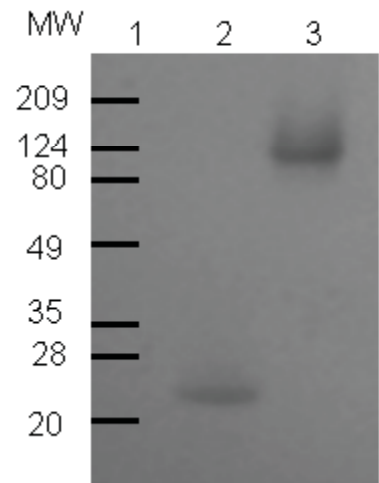
Three Taq polymerases (in lanes A, B, and C) were analyzed by TAQ mAb 8C1C.
 A: EU-TaQ (eENZYME), wt
 B: BioTherm Taq (eENZYME), wt
 C: Recombinant Taq (Invitrogen)

Specialty Monoclonal Antibodies

Anti-His Tag Monoclonal Antibody

CATALOG NUMBER: MA-102-0100, 100 µg

Applications	Western blot (1:200-1:1000) and ELISA. IP, FACS, IF
Description	This mouse Anti-His-tag monoclonal antibody can be used as a primary antibody to detect His-tagged proteins.
Immunogen	recombinant His-tagged protein and poly-His peptide
Specificity	Reacts with proteins that contain N-terminal, C-terminal, or internal His-tag.
Purity	> 90% by SDS PAGE gel
Isotype	IgG1
Clone Number	HT84
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	2 µg/µl in PBS with 0.05% sodium azide



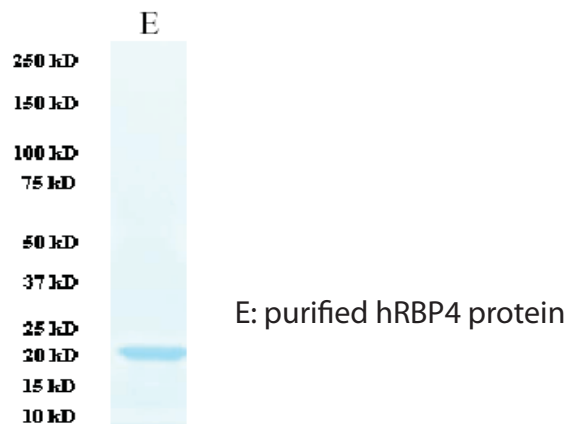
Two His-tagged SARS-CoV spike proteins gp24, in lane 2 and gp120 in lane 3, were analyzed by western blot with anti-His mAbHT84 at 1:1000 dilution (1 µg/ml).

Bio-Marker Protein

Human Retinol Binding Protein 4

CATALOG NUMBER: BM-001-005P, 50 µg

Applications	Western blot standard, etc.
Description	protein purified from 293 cell culture
Protein	6xHis tagged hRBP4 protein (amino acid 19-201) (Genebank No. NM_006744)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol
Specificity	≥ 95% purity (SDS PAGE)



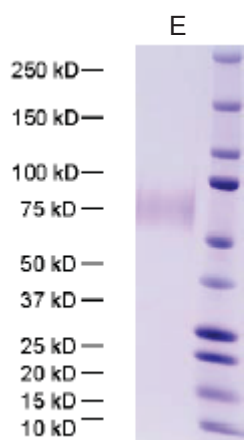
To Be Released Soon

CATALOG #	ANTIBODY
IA-002-0100	ANTI-HA (H1N2)
IA-015-0100	ANTI-M2 (H3N2)
IA-016-0100	ANTI-M2 (H5N1, HUMAN)
IA-017-0100	ANTI-M2 (H5N1, AVIAN)
IA-018-0100	ANTI-NA (H1N1)
IA-019-0100	ANTI-NA (H1N2)
IA-022-0100	ANTI-NA (H5N1, AVIAN)
IA-024-0100	ANTI-NS1 (H1N1)
IV-004-0100	ANTI-GP41 (CLADE A)
IV-009-0100	ANTI-GAG (CLADE C)
IV-010-0100	ANTI-POL (CLADE A)
IV-011-0100	ANTI-POL (CLADE B)
IV-012-0100	ANTI-POL (CLADE C)
IV-015-0100	ANTI-NEF (CLADE B)
IV-019-0100	ANTI-RT (CLADE A)
IV-020-0100	ANTI-RT (CLADE B)
IV-021-0100	ANTI-RT (CLADE C)
IV-023-0100	ANTI-GP41 (SIV/MAC239)
IV-024-0100	ANTI-GAG (SIV/MAC239)
IV-028-0100	ANTI-RT (SIV/MAC239)
HV-001-0100	ANTI-HBSAG (HBV)
HV-006-0100	ANTI-C (HCV)
SS-002-0100	ANTI-SPIKE (SZ3)
SS-003-0100	ANTI-SPIKE (BAT)
SS-004-0100	ANTI-M (BEIJING02)

HA1 (H1N1) (A/New Caledonia/20/99)

CATALOG NUMBER: IA-001-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged hemagglutinin (amino acid 18-345) (H1N1) (A/New Caledonia/20/99) (Genebank No. AAP34324)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 99% purity (SDS PAGE).

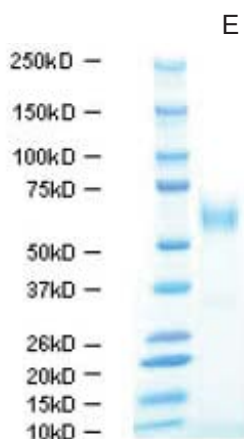


E: purified HA1(H1N1)(A/New Cledonia/20/99) protein

HA1 (H1N1) (A/PR/8/34)

CATALOG NUMBER: IA-0010-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged Hemagglutinin (amino acid 18-345) (H1N1) (A/PR/8/34) (Genebank No. P03452)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

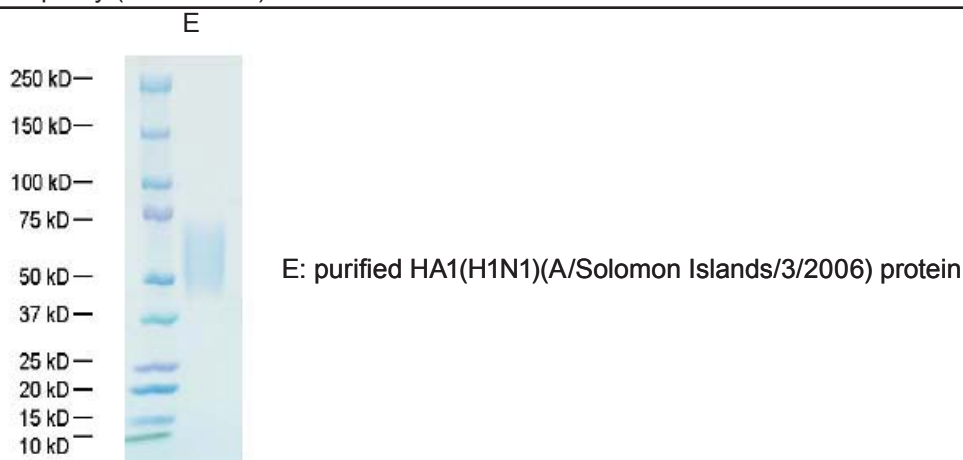


E: purified HA1(H1N1/PR/8/34) protein

HA1 (H1N1) (A/Solomon Islands/3/2006)

CATALOG NUMBER: IA-0011-005P, 50 µg

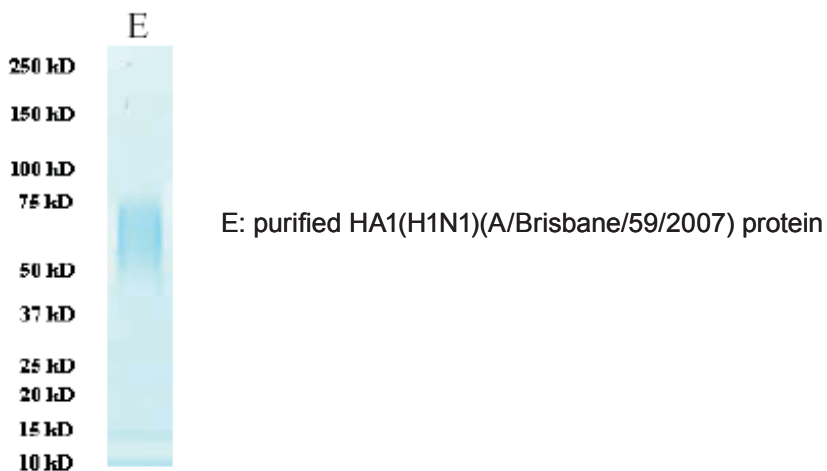
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture
Viral Protein	6xHis tagged HA1(H1N1) (A/Solomon Islands/3/2006) protein (amino acid 18-344) (Genebank No. ABU99069)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	0.9 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



HA1 (H1N1) (A/Brisbane/59/2007)

CATALOG NUMBER: IA-0012-005P, 50 µg

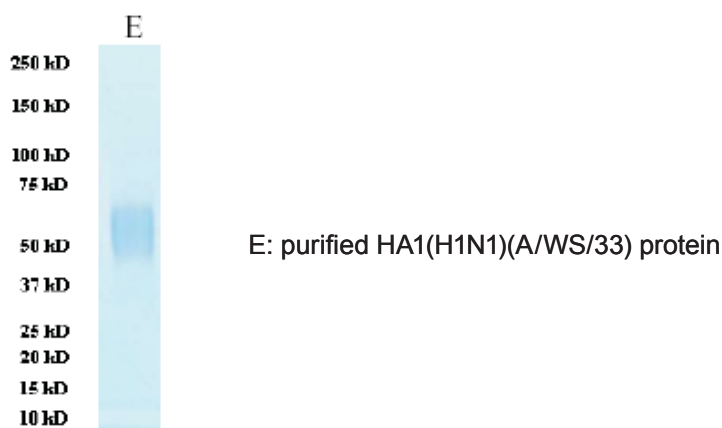
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H1N1) (A/Brisbane/59/2007) protein (amino acid 18-343) (Genebank No. ACA28846)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 99% purity (SDS PAGE).



HA1 (H1N1) (A/WS/33)

CATALOG NUMBER: IA-0013-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H1N1) protein (amino acid 18-344) (Genebank No. U08904)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



HA1 (H2N2) (A/Canada/720/2005)

CATALOG NUMBER: IA-003-005P, 50 µg

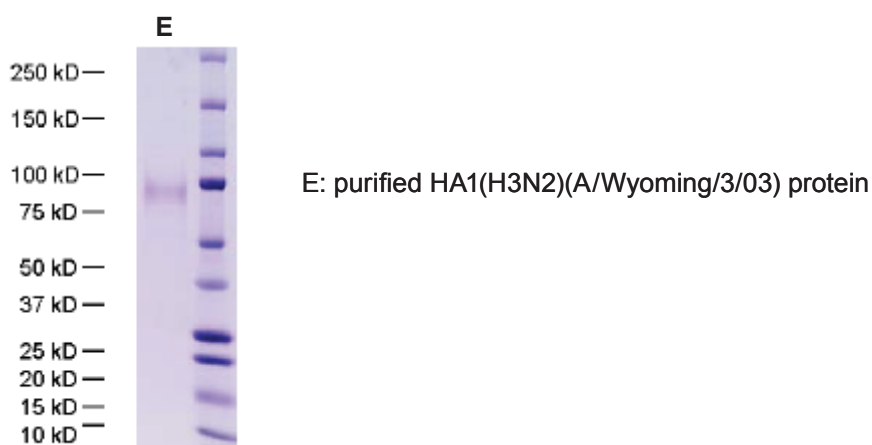
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H2N2) (A/Canada/720/2005) protein (amino acid 13-340) (Genebank No. AAY28987)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



HA1 (H3N2) (A/Wyoming/3/03)

CATALOG NUMBER: IA-004-005P, 50 µg

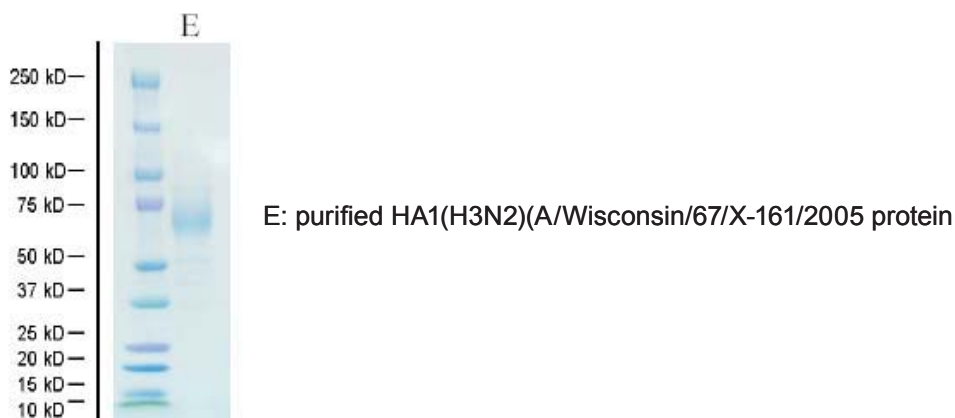
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged Hemagglutinin (amino acid 18-347) (H3N2) (A/Wyoming/3/03) (Genebank No. AAT08000).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 99% purity.



HA1 (H3N2) (A/Wisconsin/67/X-161/2005)

CATALOG NUMBER: IA-0041-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H3N2) (A/Wisconsin/67/X-161/2005) protein (amino acid 17-346) (Genebank No. AB037609)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



Viral Recombinant Proteins

HA1 (H3N2) (A/Brisband/10/2007)

CATALOG NUMBER: IA-0042-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H3N2) (A/Brisband/10/2007) protein (amino acid 17-345) (Genebank No. EU199248)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

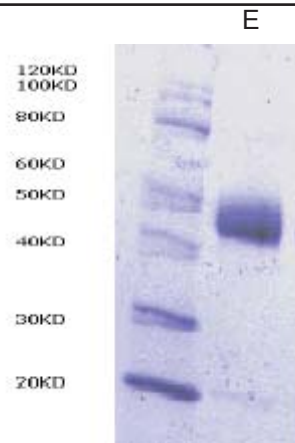


E: purified HA1(H3N2)(A/Brisband/10/2007) protein

HA1 (H5N1) (A/Vietnam/1203/2004)

CATALOG NUMBER: IA-005-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged hemagglutinin (H5N1) (A/Vietnam/1203/2004) (amino acid 1-345) (Genebank No. AY651334).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 99% purity (SDS PAGE).



E: 293 cell expressing HA1 (VN1194)

Viral Recombinant Proteins

H5 (H5N1) (A/Vietnam/1203/2004)

CATALOG NUMBER: IA-0051-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H5 (H5N1) protein (A/Vietnam/1203/2004) (amino acid 18-530) with a deletion at its cleavage site ((Δ RRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

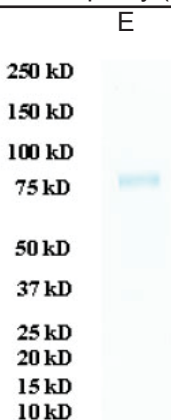


E: purified H5 (H5N1) (A/Vietnam/1203/2004) protein

H5 (H5N1) (A/EGYPT/2321-NAMRU3/2007)

CATALOG NUMBER: IA-00511-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H5 (H5N1) (A/Egypt/2321-NAMRU3/2007) protein (amino acid 17-530) (Genebank No. ABP96850) with a deletion at its cleavage site (Δ RRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	0.65 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



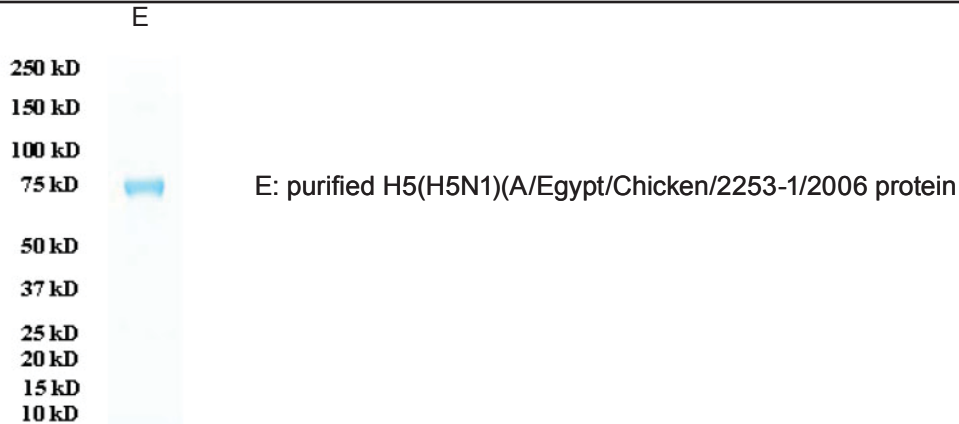
E: purified H5(H5N1)(A/Egypt/2321-NAMRU3/2007) protein

Viral Recombinant Proteins

H5 (H5N1) (A/Egypt/Chicken/2253-1/2006)

CATALOG NUMBER: IA-00512-005P, 50 µg

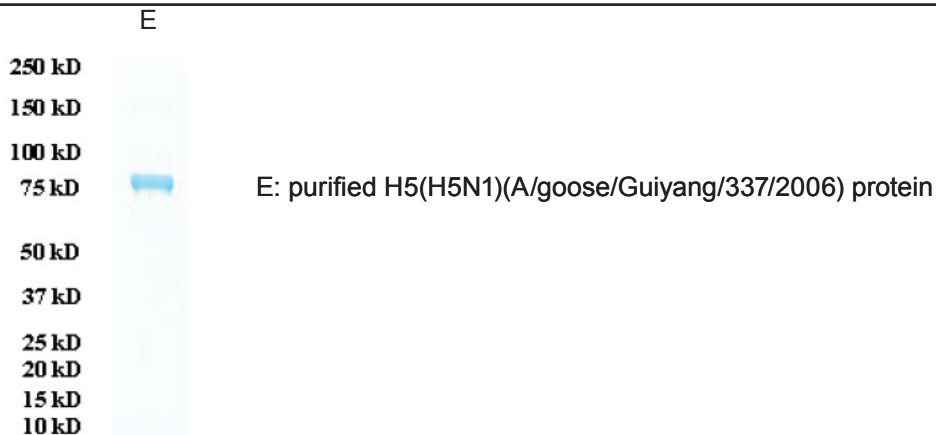
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H5 (H5N1) (A/Egypt/chicken/2253-1/2006) protein (Genebank No. ABG81039) (amino acid 17-530) with deletion at its cleavage site (Δ RRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



H5 (H5N1) (A/goose/Guiyang/337/2006)

CATALOG NUMBER: IA-00513-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H5 (H5N1) (A/goose/Guiyang/337/2006) (Genebank No. ABJ96698) protein (amino acid 17-530) with deletion at its cleavage site (Δ RRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

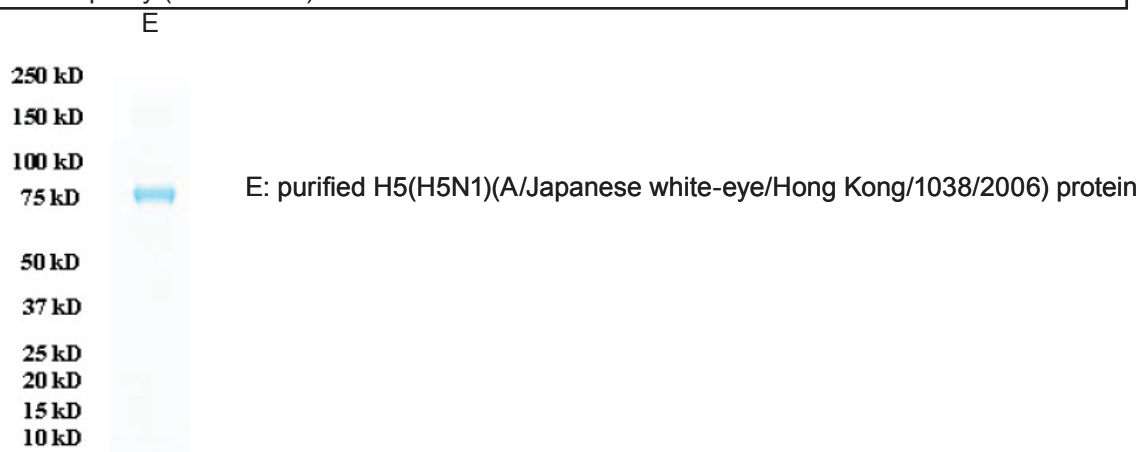


Viral Recombinant Proteins

H5 (H5N1) (A/Japanese white-eye/Hong Kong/1038/2006)

CATALOG NUMBER: IA-00514-005P, 50 µg

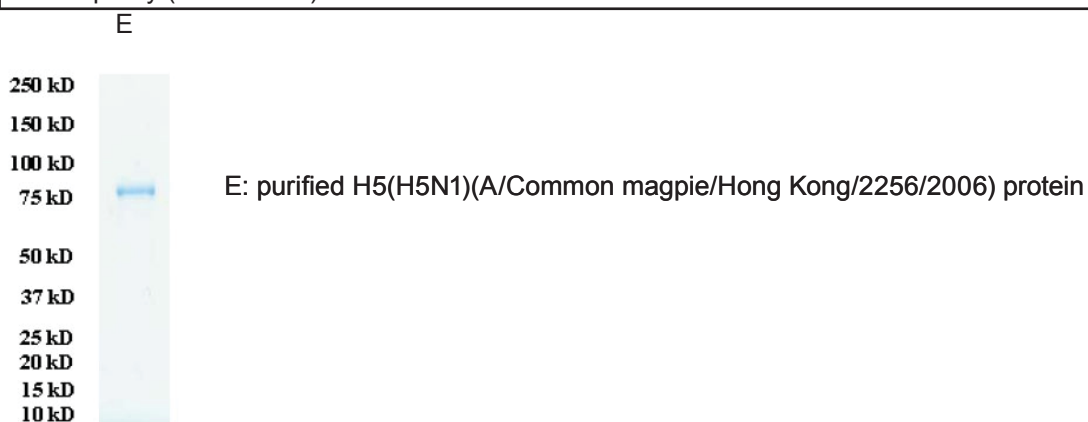
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H5 (H5N1) protein (A/Japanese white-eye/Hong Kong/1038/2006) (Genebank No. ABJ96775) (amino acid 17-530) with a deletion at its cleavage site ((ΔRRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



H5 (H5N1) (A/Common magpie/Hong Kong/2256/2006)

CATALOG NUMBER: IA-00515-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H5 (H5N1) (A/Common Magpie/Hong Kong/2256/2006) protein (Genebank No. ABJ96777) (amino acid 17-530) with a deletion at its cleavage site (ΔRRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

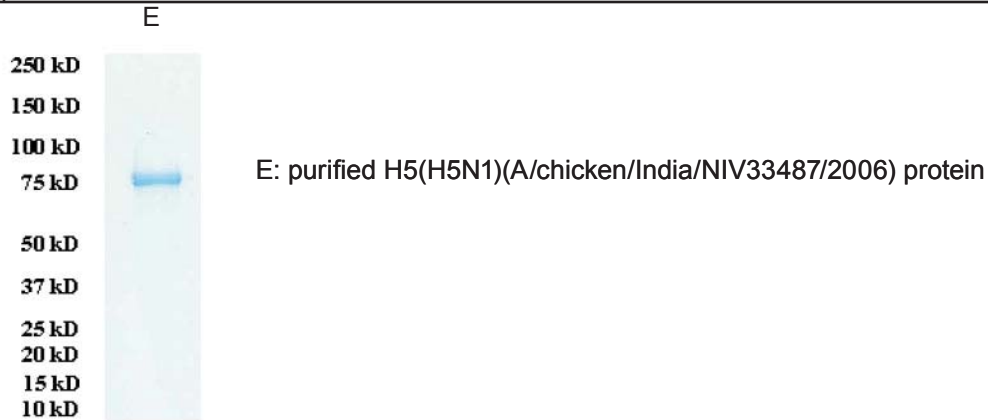


Viral Recombinant Proteins

H5 (H5N1) (A/chicken/India/NIV33487/2006)

CATALOG NUMBER: IA-00516-005P, 50 µg

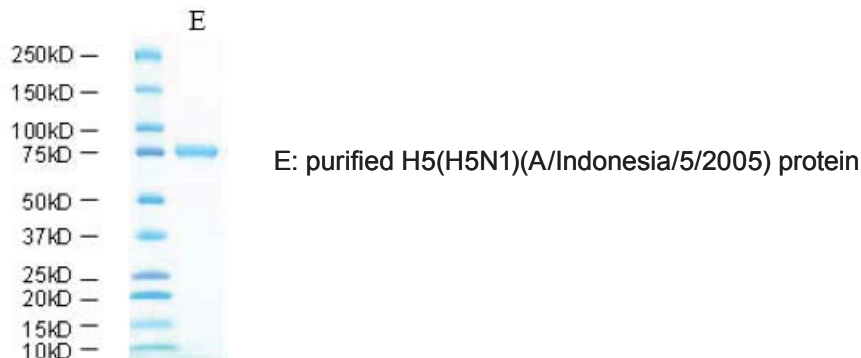
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H5 (H5N1) (A/chicken/India/NIV33487/2006) protein (Genebank No. ABQ45850) (amino acid 17-530) with deletion at its cleavage site (Δ RRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



H5 (H5N1) (A/Indonesia/5/2005)

CATALOG NUMBER: IA-0052-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H ₅ (H ₅ N ₁) (A/Indonesia/5/2005) protein (amino acid 18-530) with a deletion at its cleavage site (Δ RRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

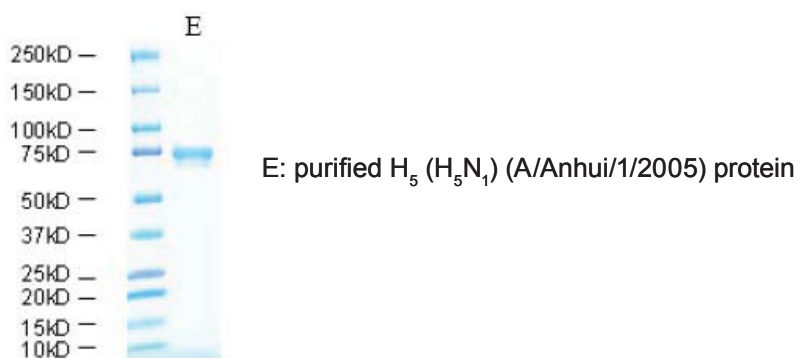


Viral Recombinant Proteins

H5(H5N1) (A/Anhui/1/2005)

CATALOG NUMBER: IA-0053-005P, 50 µg

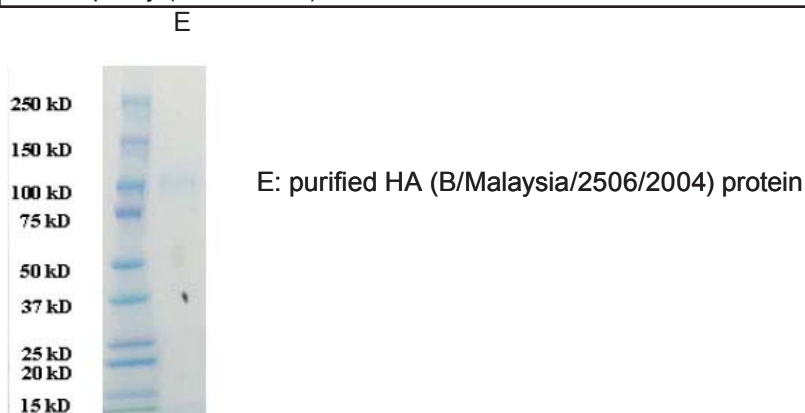
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged H ₅ (H ₅ N ₁) (A/Anhui/1/2005) protein (amino acid 18-530) with a deletion at its cleavage site (Δ RRRKKR) (Genebank No. ABD28180). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 98% purity (SDS PAGE).



HA (B/Malaysia/2506/2004)

CATALOG NUMBER: IA-0054-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture
Viral Protein	6xHis tagged HA (B/Malaysia/2506/2004) protein (amino acid 12-547) (Genebank No. ABU99194).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

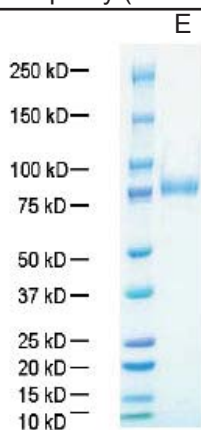


Viral Recombinant Proteins

H5 (H5N1) (A/Bar-headed goose/Qinghai/12/2005)

CATALOG NUMBER: IA-0055-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture
Viral Protein	6xHis tagged H5 (H5N1) (A/Bar-headed Goose/Qinghai/12/2005) (Genebank No. ABE68927) protein (amino acid 17-530) with deletion at its cleavage site (RRRKKR). The majority of the protein exists as trimer/oligomer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	0.35 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

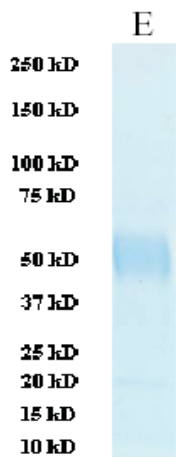


E: purified H5(H5N1)(A/Bar-headed Goose/Qinghai/12/2005 protein

HA1 (H5N1) (A/Hong Kong/156/97)

CATALOG NUMBER: IA-0056-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H5N1) protein (A/Hong Kong/156/97) (amino acid 18-346) (Genebank No. AAC32088)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



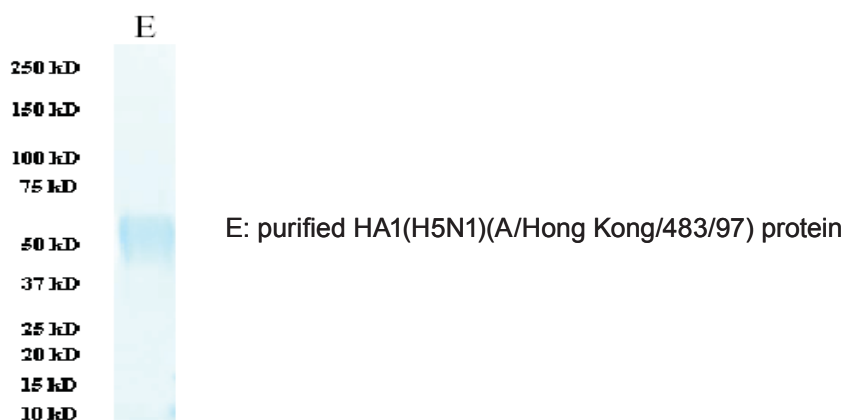
E: purified HA1(H5N1)(A/Hong Kong/156/97) protein

Viral Recombinant Proteins

HA1(H5N1) (A/Hong Kong/483/97)

CATALOG NUMBER: IA-0057-005P, 50 µg

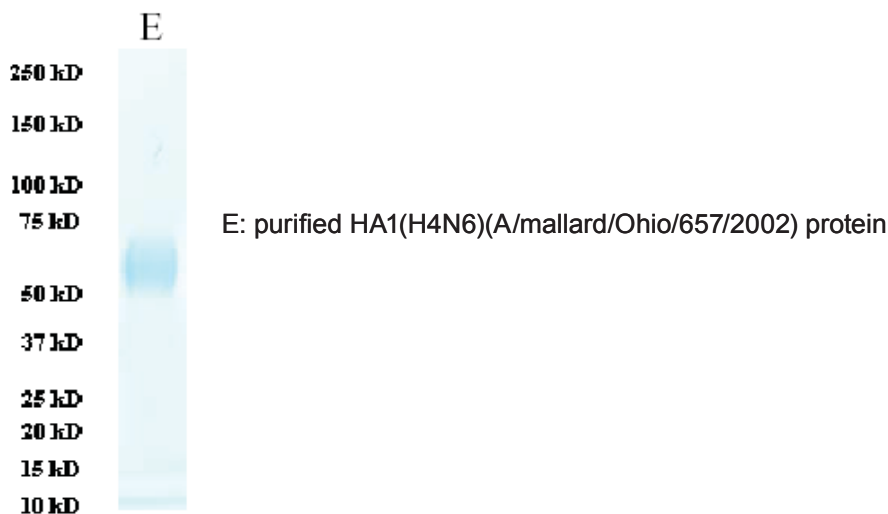
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H ₅ N ₁) (A/Hong Kong/483/97) protein (amino acid 17-346) (Genebank No. AAC32099)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



HA1 (H4N6) (A/Mallard/Ohio/657/2002)

CATALOG NUMBER: IA-006-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture
Viral Protein	6xHis tagged HA1 (H4N6) (A/mallard/Ohio/657/2002) protein (amino acid 17-343) (Genebank No.AB147995)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

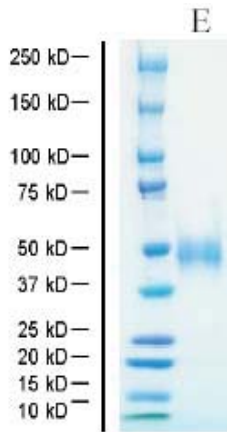


Viral Recombinant Proteins

HA1 (H7N7) (A/Chicken/Netherlands/1/03)

CATALOG NUMBER: IA-008-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H7N7) (A/Chicken/Netherlands/1/03) protein (amino acid 26-344) (Genebank No. AAR02639)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

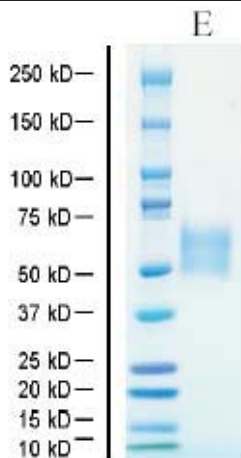


E: purified HA1(H7N7)(A/Chicken/Netherlands/1/03) protein

HA1 (H9N2) (A/Guinea Fowl/Hong Kong/WF 10/99)

CATALOG NUMBER: IA-009-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H9N2) (A/Guinea fowl/Hong Kong/WF 10/99) protein (amino acid 20-339) (Genebank No. AAR046082)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



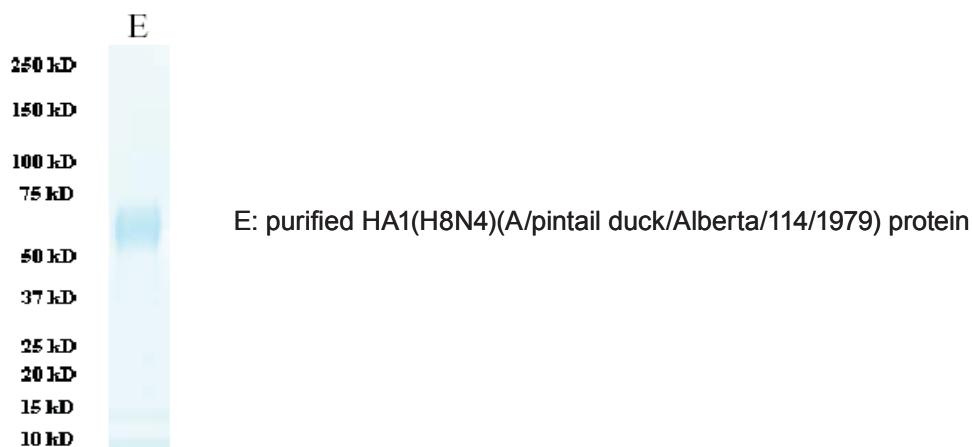
E: purified HA1(H9N2)(A/Guinea fowl/Hong Kong/WF 10/99) protein

Viral Recombinant Proteins

HA1 (H8N4) (A/Pintail Duck/Alberta/114/1979)

CATALOG NUMBER: IA-010-005P, 50 µg

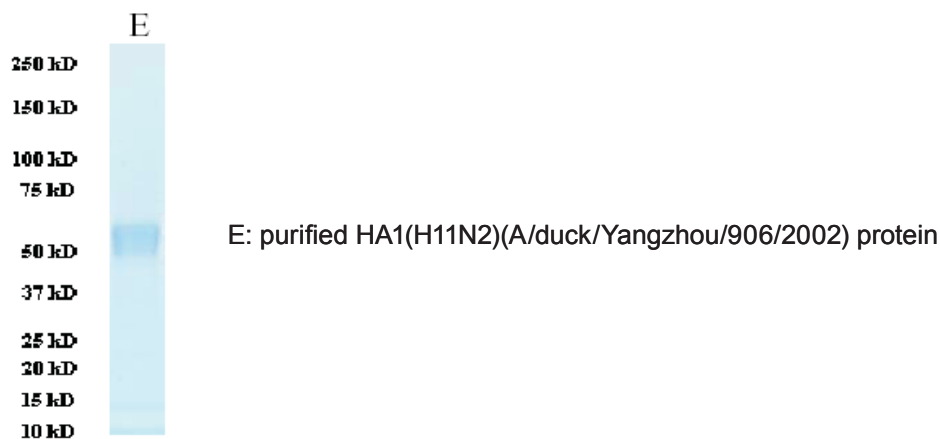
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1 (H8N4) (A/pintail duck/Alberta/114/1979) protein (amino acid 16-343) (Genebank No. ABB87729)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



HA1 (H11N2) (A/Duck/Yangzhou/906/2002)

CATALOG NUMBER: IA-012-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1(H11N2) (A/duck/Yangzhou/906/2002) protein (amino acid 17-342) (Genebank accession # AAY85533)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



Viral Recombinant Proteins

HA1 (H12N5) (A/Green-Winged Teal/ALB/199/1991)

CATALOG NUMBER: IA-013-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HA1(H12N5) (A/green-winged teal/ALB/199/1991) protein (amino acid 17-342) (Genebank No. ABB88110)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity

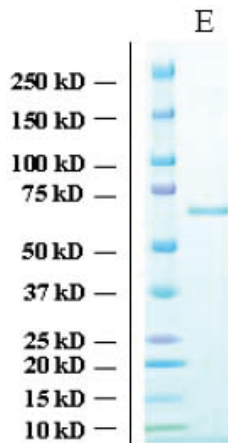


E: purified HA1(H12N5)(green-winged teal/ALB/199/1991) protein

NP (H5N1) (A/Indonesia/5/2005)

CATALOG NUMBER: IA-023-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged nucleocapsid protein (NP) (H5N1) (A/Indonesia/5/2005) (Genebank No. AB136003)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



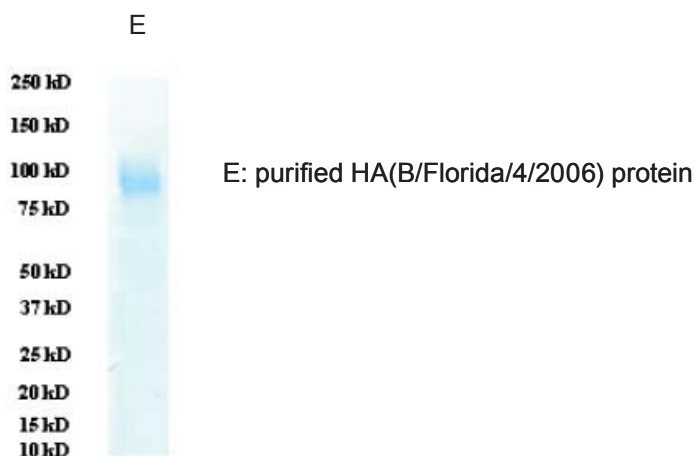
E: purified NP(H5N1)(A/Indonesia/5/2005) protein

Viral Recombinant Proteins

HA (B/Florida/4/2006)

CATALOG NUMBER: IA-B2-005P, 50 µg

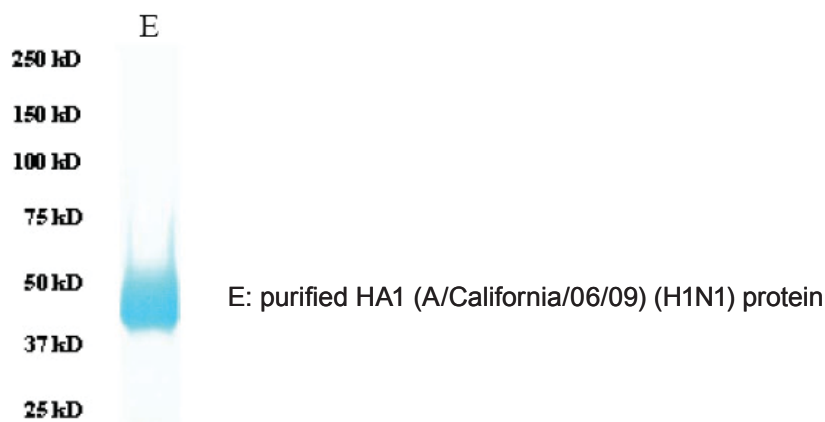
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged ectodomain of human influenza B virus (B/Florida/4/2006) HA protein (amino acid 17-546) (Genebank No. ACA33493)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



HA1 (A/California/06/09) (H1N1)

CATALOG NUMBER: IA-01SW-005P, 50 µg

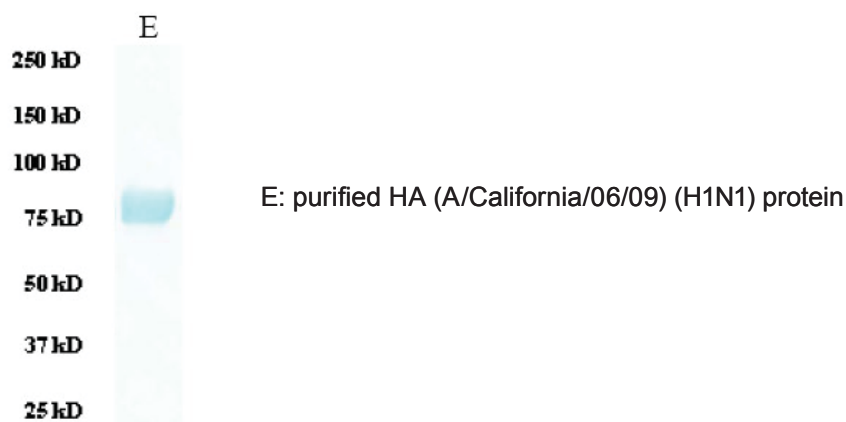
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged (C-terminal) hemagglutinin (amino acid 18-344) (H1N1) (A/California/06/09) (Genebank No. ACP41935)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS
Specificity	≥ 95% purity (SDS PAGE).



HA (A/California/06/09) (H1N1)

CATALOG NUMBER: IA-11SW-005P, 50 µg

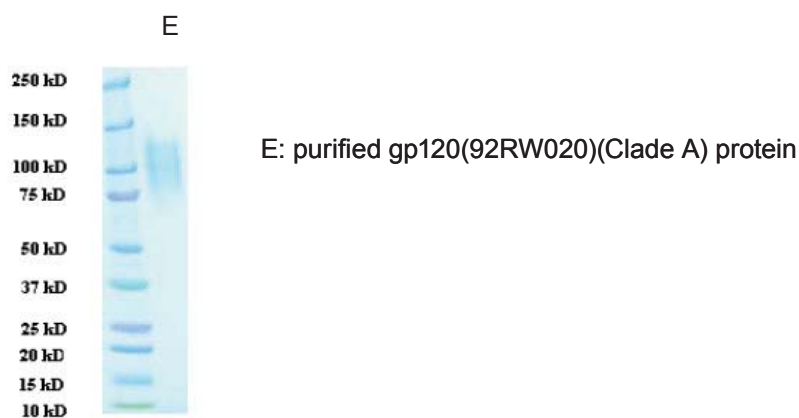
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged (C-terminal) hemagglutinin (amino acid 18-530) (H1N1) (A/California/06/09) protein (Genebank No. ACP41935)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS
Specificity	≥ 95% purity (SDS-PAGE)



gp120 (92RW020) (Clade A)

CATALOG NUMBER: IV-001-005P, 50 µg

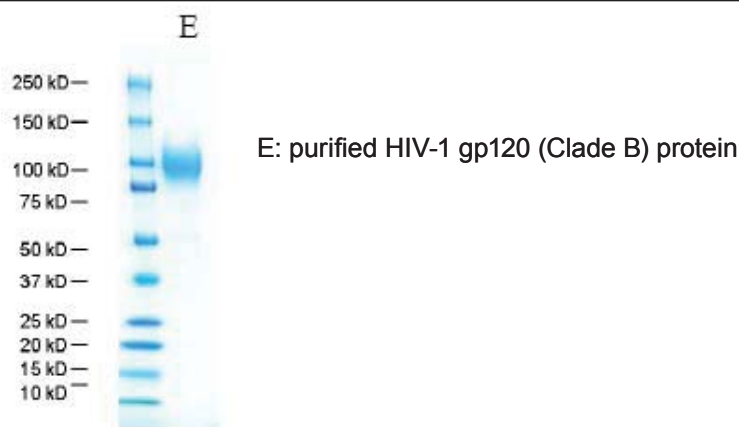
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (92RW020) (Clade A) protein (amino acid 32-494) (Genebank No. AAT67478.1)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (HIV-1/Clade B)

CATALOG NUMBER: IV-002-005P, 50 µg

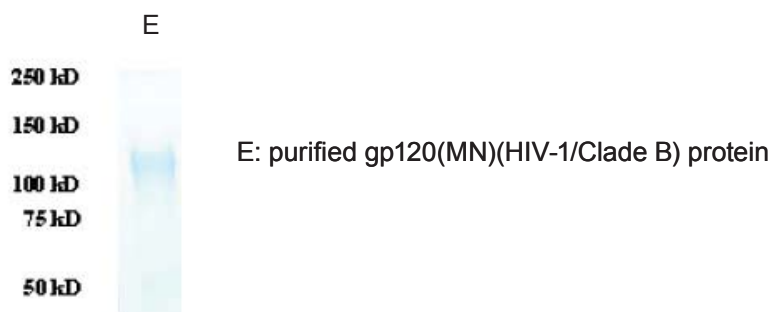
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (Bal) (Clade B) protein (amino acid 30-500) Genebank No. M68893).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (MN) (HIV-1/Clade B)

CATALOG NUMBER: IV-002MN-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (MN) (Clade B) protein (amino acid 30-513) (Genebank No. AF075722).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

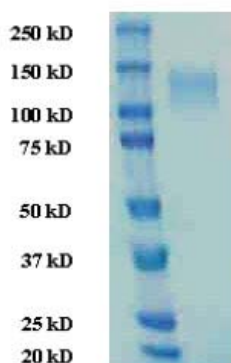


gp140 (HIV-1/Clade B)

CATALOG NUMBER: IV-0021-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp140 (Clade B) protein (amino acid 22-680) (Genebank No. M63929). Majority of protein exist as trimer.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

E



E: purified gp140(HIV-1/Clade B) protein

gp120 (HXBC2) (HIV-1/Clade B)

CATALOG NUMBER: IV-0022-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (HXBC2) (Clade B) protein (amino acid 34-518) (Genebank No. K03455).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

E

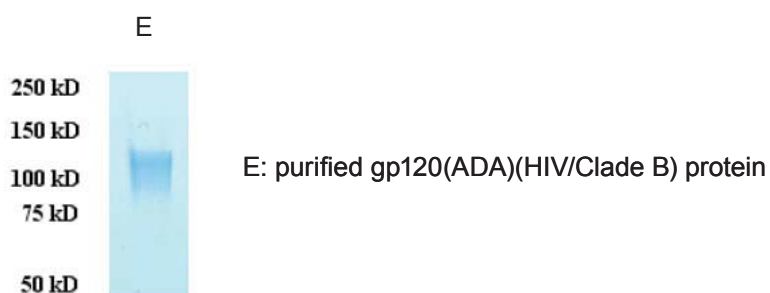


E: purified gp120(HXBC2)(Clade B) protein

gp120 (ADA) (HIV-1/Clade B)

CATALOG NUMBER: IV-0023-005P, 50 µg

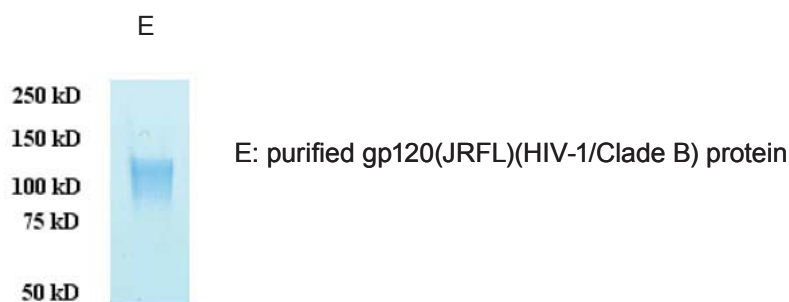
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ADA) (Clade B) protein (amino acid 34-518) (Genebank No. M60472)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (JRFL) (HIV-1/Clade B)

CATALOG NUMBER: IV-0024-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (JRFL) (Clade B) protein (amino acid 34-518) (Genebank No. U63632).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

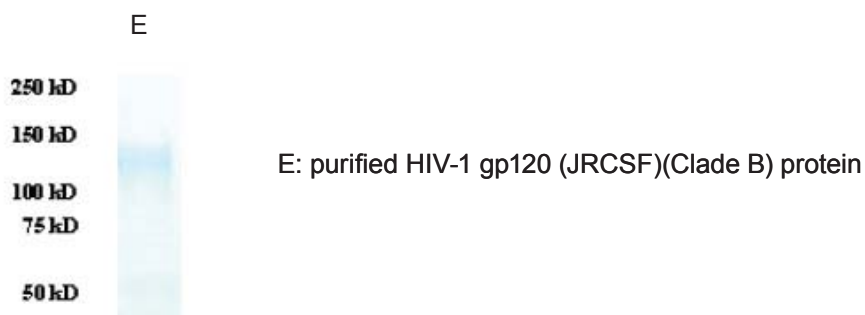


Viral Recombinant Proteins

gp120 (JRCSF) (HIV-1/Clade B)

CATALOG NUMBER: IV-0025-005P, 50 µg

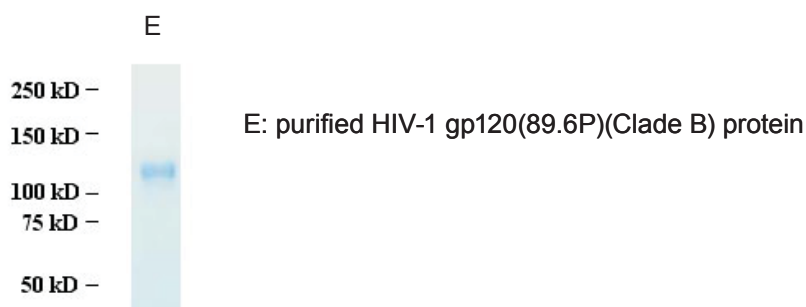
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (JRCSF) (Clade B) protein (amino acid 30-503) (Genebank No. AAT67478.1)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (89.6P) (HIV-1/Clade B)

CATALOG NUMBER: IV-0026-005P, 50 µg

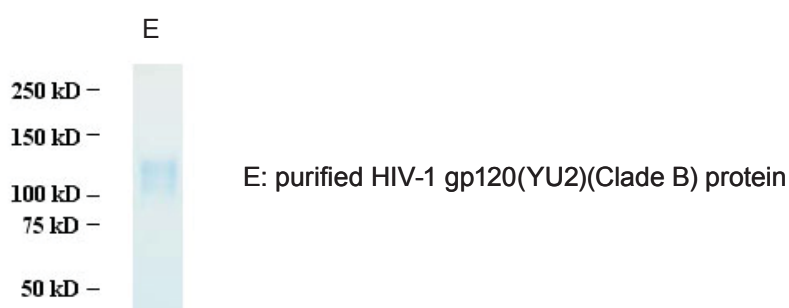
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (89.6P) (Clade B) protein (amino acid 34-518) (Genebank No. U89134)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (YU2) (HIV-1/Clade B)

CATALOG NUMBER: IV-0027-005P, 50 µg

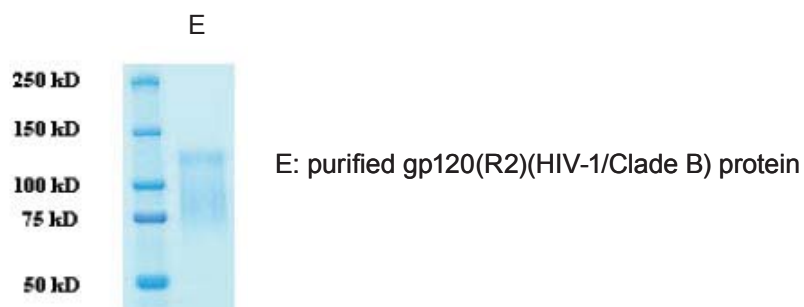
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (YU2) (Clade B) protein (amino acid 34-518) (Genebank No. M38429)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (R2) (HIV-1/Clade B)

CATALOG NUMBER: IV-0029-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged gp120 (R2) (Clade B) protein (amino acid 41-520) (Genebank No. AF128126)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

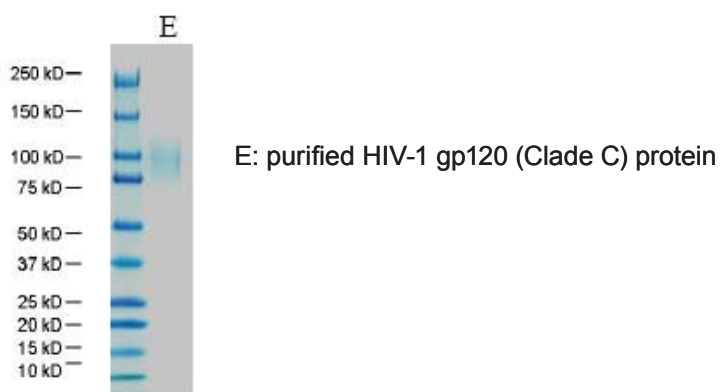


Viral Recombinant Proteins

gp120 (HIV-1/Clade C)

CATALOG NUMBER: IV-003-005P, 50 µg

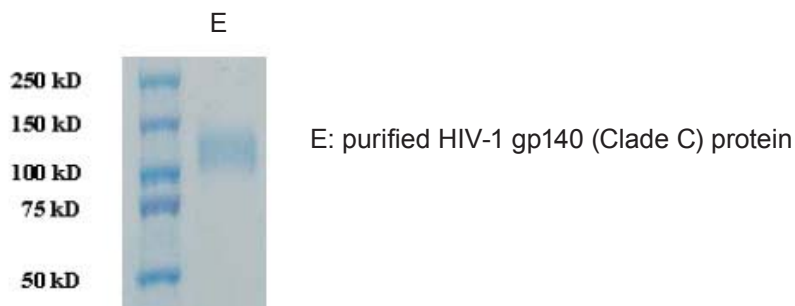
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (Clade C) protein (amino acid 24-515) (Genebank No. AY463234).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp140 (HIV-1/Clade C)

CATALOG NUMBER: IV-0031-005P, 50 µg

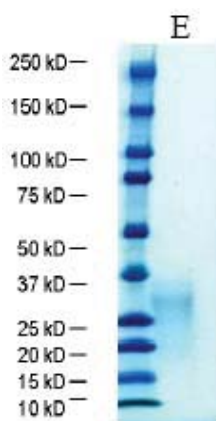
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp140 (Clade C) protein (amino acid 24-680) (Genebank No. AY463234). Majority of protein exist as trimers.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity.



gp41 (HIV-1/HXBc2)

CATALOG NUMBER: IV-005-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp41 protein (amino acid 534-681) (Genebank No. K03455).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

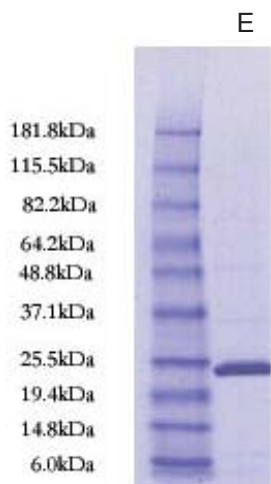


E: purified HIV-1 gp41 protein

p24 (HIV-1/HXBc2)

CATALOG NUMBER: IV-017-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 p24 protein (Genebank No. K03455)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



E: purified HIV-1 p24 (HXBc2) protein

hCD317 (Δ TMs)

CATALOG NUMBER: IV-317-005P, 50 μ g

Applications	Interference of Vpr/CD317 interaction; Western blot standard, etc.
Description	Purified protein from transfected 293 cell culture
Protein	6xHis tagged ectodomain of human CD317 (Tetherin) protein (amino acid 24-162) CD317 has been recently demonstrated to cause retention of retroviral virions on cell surfaces.
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 μ g/ μ l in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	\geq 95% purity (SDS PAGE).

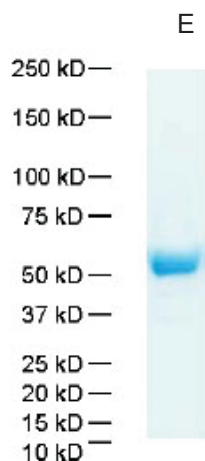


E: purified hCD317 (Δ TMs) protein

hCD4 (Ectodomain)

CATALOG NUMBER: IV-CD4-005P, 50 μ g

Applications	Western blot standard, antibody ELISA, HIV-1 entry inhibition, etc.
Description	Viral protein purified from 293 cell culture.
Protein	6xHis tagged human CD4 ectodomain protein (amino acid 1-398) (Genebank No. P01730)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 μ g/ μ l in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	\geq 95% purity (SDS PAGE).



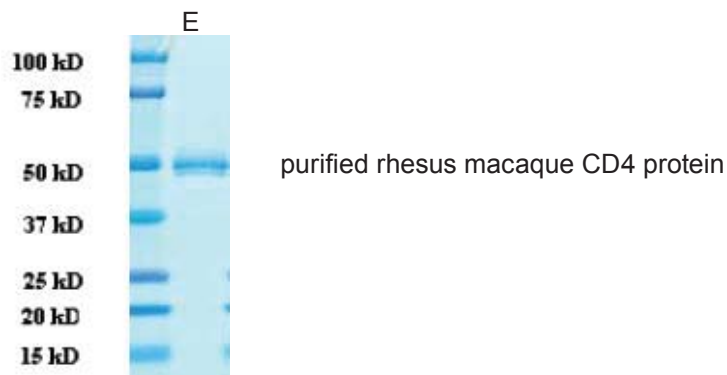
E: purified human CD4 ectodomain protein

Recombinant Proteins

CD4 (rhesus macaque)

CATALOG NUMBER: IV-rhCD4-005P, 50 µg

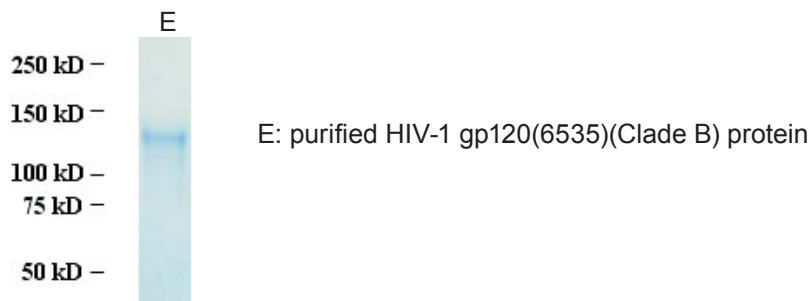
Applications	Western blot standard, etc.
Description	rhesus macaque CD4 expressed and purified from 293 cell culture
Protein	6xHis tagged rhesus macaque CD4 protein (amino acid 1-398) (Genebank No. NP_001036127)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (6535) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB1-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (6535) (Clade B) protein (amino acid 34-518) (Genebank No. AY835438)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

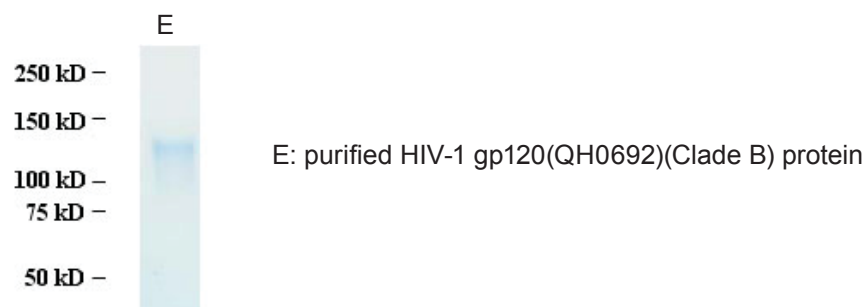


Viral Recombinant Proteins

gp120 (QH0692) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB2-005P, 50 µg

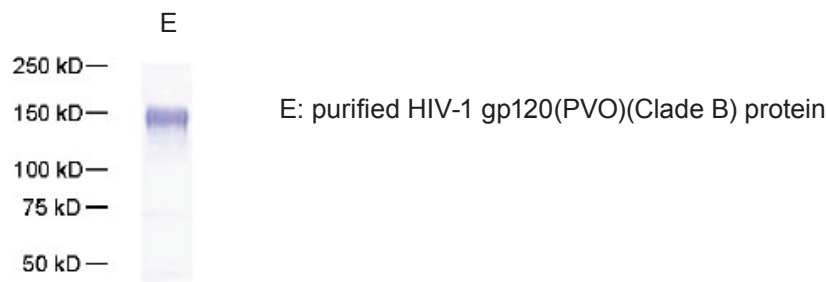
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (QH0692) (Clade B) protein (amino acid 34-518) (Genebank No. AY835439)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (PVO) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB3-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (PVO) (Clade B) protein (amino acid 34-518) (Genebank No. AY835444)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

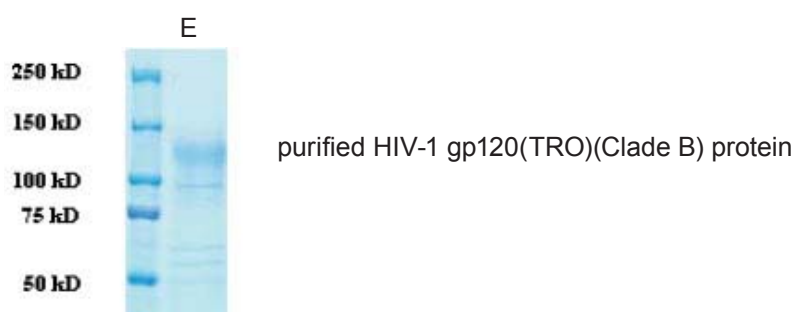


Viral Recombinant Proteins

gp120 (TRO) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB4-005P, 50 µg

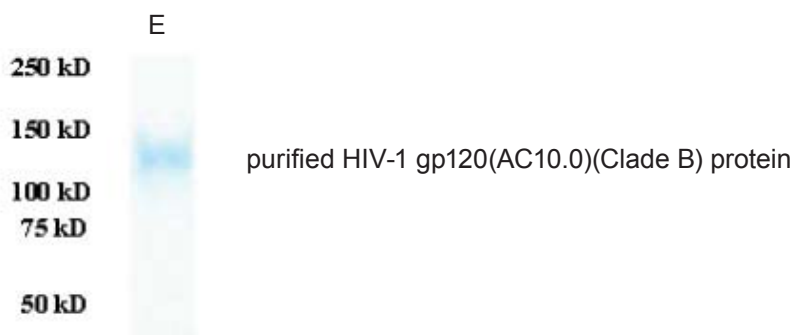
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (TRO) (Clade B) protein (amino acid 32-518) (Genebank No. AY845445)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (AC10.0) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB5-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (AC10.0) (Clade B) protein (amino acid 36-514) (Genebank No. AY835446)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

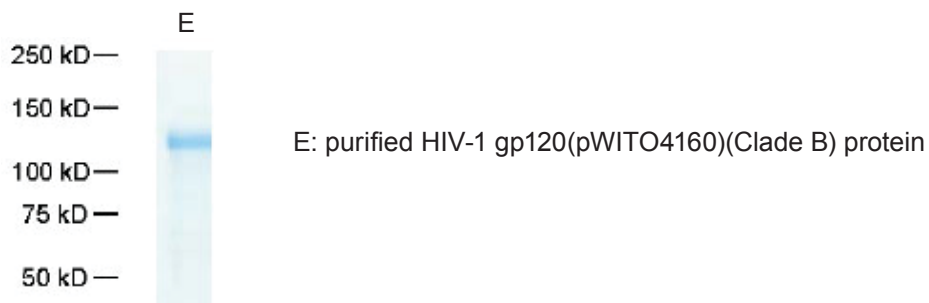


Viral Recombinant Proteins

gp120 (pWITO4160) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB6-005P, 50 µg

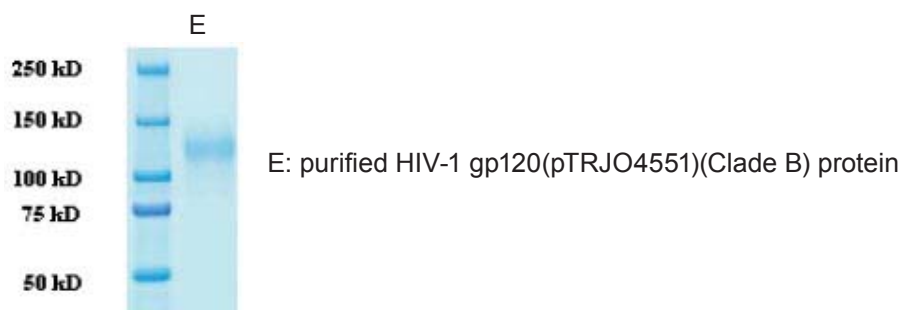
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (pWITO04160) (Clade B) protein (amino acid 32-505) (Genebank No. AY835451)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (pTRJO4551) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB7-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (pTRJO4551) (Clade B) protein (amino acid 38-512) (Genebank No. AY835450)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

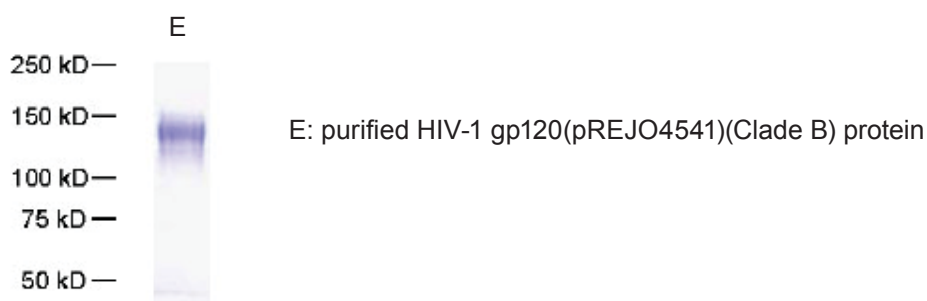


Viral Recombinant Proteins

gp120 (pREJO4541) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB8-005P, 50 µg

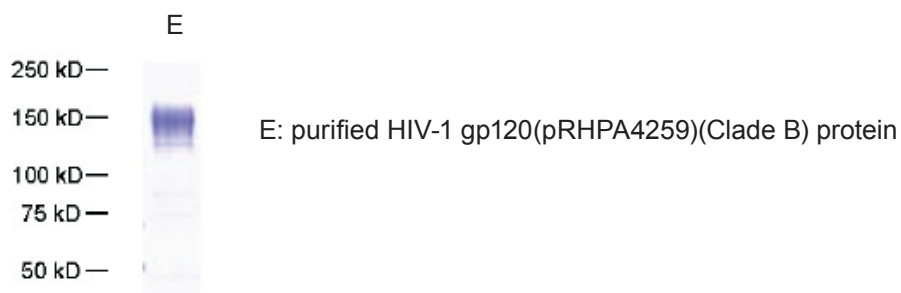
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (pREJO4541) (Clade B) protein (amino acid 34-518) (Genebank No. AY835449)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (pRHPA4259) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB9-005P, 50 µg

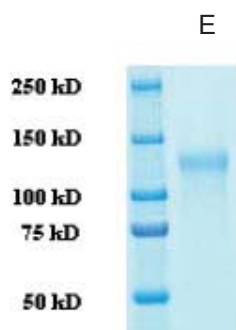
Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (pRHPA4259) (Clade B) protein (amino acid 34-518) (Genebank No. AY835447).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (pTHRO4156) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB10-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (pTHRO4156) (Clade B) protein (amino acid 34-518) (Genebank No. AY835448)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



E: purified HIV-1 gp120 (pTHRO4156) (Clade B) protein

gp120 (pCAAN5342) (HIV-1/Clade B)

CATALOG NUMBER: IV-RB11-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (pCAAN5342) (Clade B) protein (amino acid 34-518) (Genebank No. AY835452)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

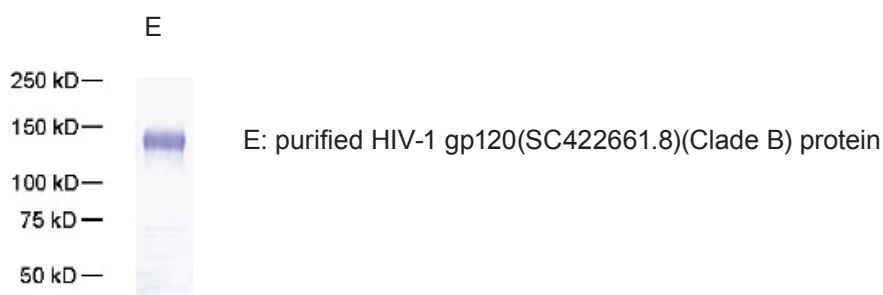


E: purified HIV-1 gp120(pCAAN5342)(Clade B) protein

Viral Recombinant Proteins

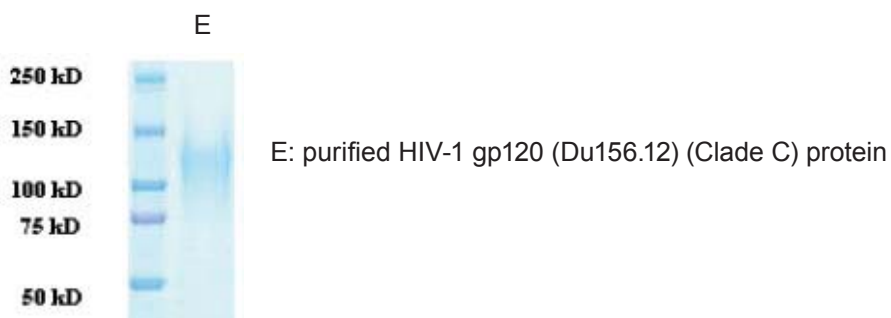
gp120 (SC422661.8) (HIV-1/Clade B) CATALOG NUMBER: IV-RB12-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (SC422661.8) (Clade B) protein (amino acid 34-518) (Genebank No. AY835441).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (Du156.12) (HIV-1/Clade C) CATALOG NUMBER: IV-RC1-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (Du156.12) (Clade C) protein (amino acid 40-505) (Genebank No. DQ411852).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

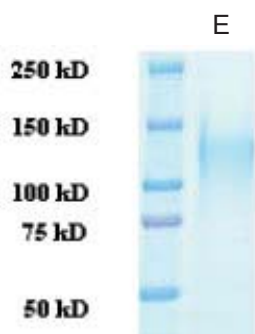


Viral Recombinant Proteins

gp120 (Du172.17) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC2-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (Du172.17) (Clade C) protein (amino acid 40-508) (Genebank No. DQ411853).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



E: purified HIV-1 gp120(Du172.17)(Clade C) protein

gp120 (Du422.1) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC3-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (Du422.1) (Clade C) protein (amino acid 40-506) (Genebank No. DQ411854).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



E: purified HIV-1 gp120(Du422.1)(Clade C) protein

Viral Recombinant Proteins

gp120 (ZM197M.PB7) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC4-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ZM197M.PB7) (Clade C) protein (amino acid 33-525) (Genebank No. DQ388515).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

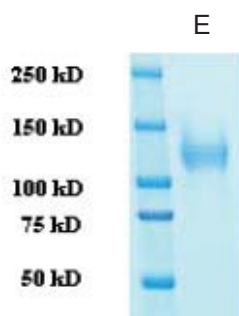


E: purified HIV-1 gp120(ZM197M.PB7)(Clade C) protein

gp120 (ZM214M.PL15) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC5-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ZM214M.PL15) (Clade C) protein (amino acid 40-510) (Genebank No. DQ388516).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



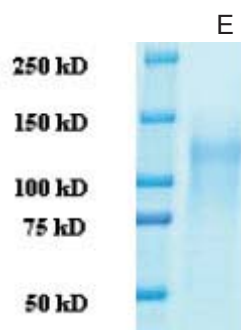
E: purified HIV-1 gp120(ZM214M.PL15)(Clade C) protein

Viral Recombinant Proteins

gp120 (ZM233M.PB6) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC6-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ZM233M.PB6) (Clade C) protein (amino acid 41-490) (Genebank No. DQ388517).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

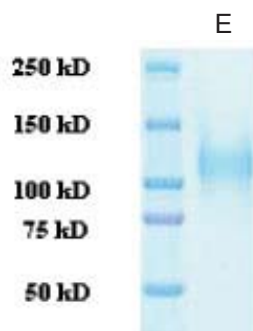


E: purified HIV-1 gp120(ZM233M.PB6)(Clade C) protein

gp120 (ZM249M.PL1) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC7-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ZM249M.PL1) (Clade C) protein (amino acid 28-501) (Genebank No. DQ388514).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



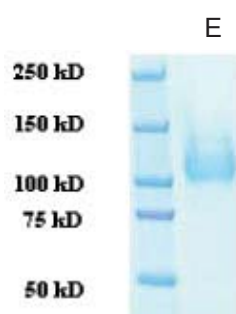
E: purified HIV-1 gp120(ZM249M.PL1)(Clade C) protein

Viral Recombinant Proteins

gp120 (ZM53M.PB12) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC8-005P, 50 µg

Applications	Western blot standard, antibody ELISA, immunogen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ZM53M.PB12) (Clade C) protein (amino acid 46-490) (Genebank No. AY423984).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

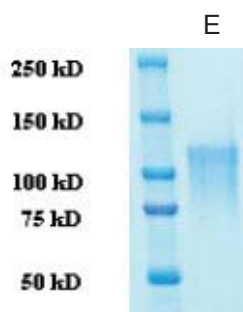


E: purified HIV-1 gp120(ZM53M.PB12)(Clade C) protein

gp120 (ZM109F.PB4) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC9-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ZM109F.PB4) (Clade C) protein (amino acid 40-489) (Genebank No. AY424138).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



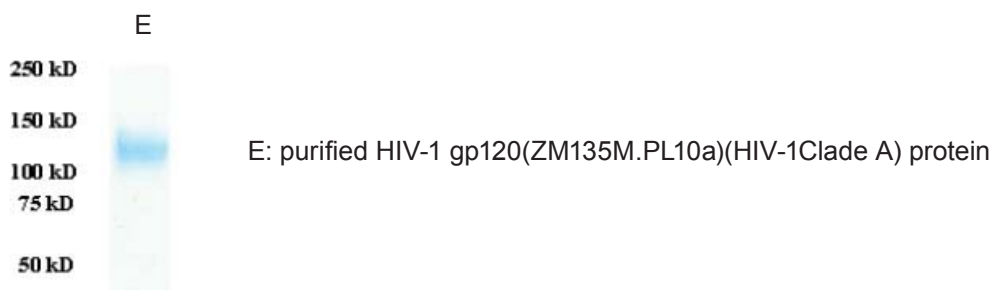
E: purified HIV-1 gp120(ZM109F.PB4)(Clade C) protein

Viral Recombinant Proteins

gp120 (ZM135M.PL10A) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC10-005P, 50 µg

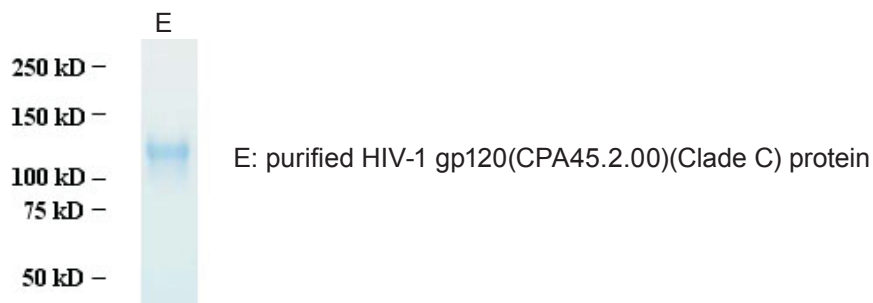
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (ZM135M.PL10a) (Clade C) protein (amino acid 35-502) (Genebank No. AY424079).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (CPA45.2.00) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC11-005P, 50 µg

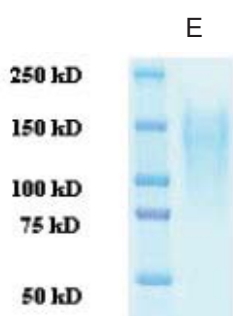
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (CAP45.2.00) (Clade C) protein (amino acid 34-518) (Genebank No. DQ435682).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



gp120 (CAP210.2.00) (HIV-1/Clade C)

CATALOG NUMBER: IV-RC12-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp120 (CAP210.2.00) (Clade C) protein (amino acid 40-513) (Genebank No. DQ435683).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

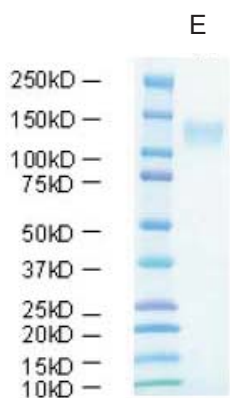


E: purified HIV-1 gp120(CAP210.2.00)(Clade C) protein

gp140 (HIV-1/Clade A)

CATALOG NUMBER: IV-0011-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HIV-1 gp140 (Clade A) protein (amino acid 24-680) (Genebank No. AAT67478.1)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

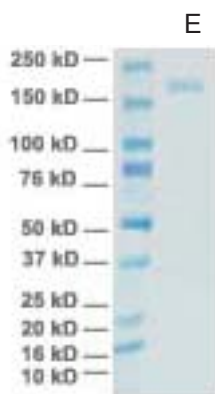


E: purified HIV-1 gp140 (Clade A) protein

Spike (Beijing02) (SARS-CoV)

CATALOG NUMBER: SS-001-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged spike protein (amino acid 1-1190) (SARS-CoV) (Beijing02) (Genebank No. AY278487)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).

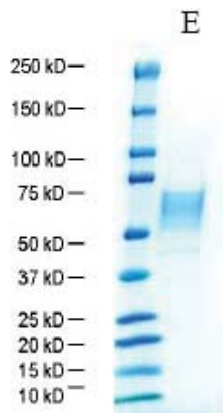


E: purified S (1-1190) (SARS-CoV) protein

E2 (Hepatitis C Virus)

CATALOG NUMBER: HV-005-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged HCV E2 protein (amino acid 383-663) (Genebank No. AY460204).
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 99% purity.



E: purified E2 (HCV) protein

E (Ectodomain) (West Nile Virus)

CATALOG NUMBER: WN-001-005P, 50 µg

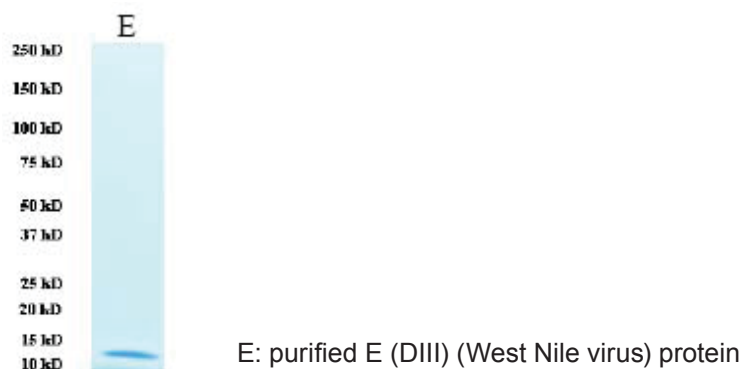
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged West Nile virus E protein ectodomain (amino acid 291-696) (Genebank No. AAF18443)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 90% purity (SDS PAGE).



E (DIII) (West Nile Virus)

CATALOG NUMBER: WN-0011-005P, 50 µg

Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Viral protein purified from 293 cell culture.
Viral Protein	6xHis tagged West Nile virus E protein ectodomain (amino acid 590-696) (Genebank No. AAF18443)
Storage	Store at 4 °C; DO NOT FREEZE; Stable for 1 year from the date of shipment. Non-hazardous.
Concentration	1 µg/µl in PBS with less than 0.1% BSA and 25% glycerol.
Specificity	≥ 95% purity (SDS PAGE).



Featured Other Products

PCR Reagents

EU-Taq	highly purified Taq DNA polymerase with improved fidelity
BioTherm Taq	a robust Taq DNA polymerase
2x SYBR Green Mix	2x-concentrated ready-to-use hot-start real-time PCR reaction mix with SYBR® Green I

PCR Plastics

Extreme uniform PCR **tubes, strips, 96-well plates, 384-well plates, caps, and seals**

High grade dented optical caps for real time PCR

5ul reaction volumes possible

Adapters, Matrix, and Box Rack available

Thermal Cyclers

GenePro Series	dual chambers/blocks for running two different programs simultaneously
LifeExpress Series	48 x 0.2 ml, 96 x 0.2 ml, gradient block also available
Compact Personal Unit	24 x 0.2 ml, the smallest one on the market

Digital Thermal Incubator & Shaker

Multiple interchangeable blocks available for various tubes of from 0.2 ml to 15 ml for various applications including sample storage, RE reactions, sample denaturation, *etc.*

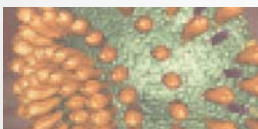
Modified Nucleotides

dNTPs set, dNTP(GAC)/dNTP set, Fluorescein-12-dUTP

biotin-11-dUTP, BrdUTP, AZTTP, AA-dUTP, Rho-5-dUTP, 8-oxo-dGTP, 7-deaza-dGTP

Kits and Staining Buffers

SuperBlue Protein Stain	a fast staining solution for protein gels
Glow-Green Nucleic Acid Stain	an environmental friendly non-toxic staining buffer



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