

HA (A/Massachusetts/18/2022)(H3N2)-Like Virus

CATALOG NUMBER: IA-H3-M22p, 50 µg, 1 mg

Introduction

Influenza hemagglutinin (HA) is a type of hemagglutinin found on the surface of the influenza viruses. HA is an antigenic glycoprotein, like all other hemagglutinins, it causes red blood cells to agglutinate. HA is responsible for binding the virus to the cell that is being infected. HA proteins bind to cells with sialic acid on the membranes, such as cells in the upper respiratory tract or erythrocytes.

HA is a homotrimeric integral membrane glycoprotein. HA monomer is synthesized as a single polypeptide that is subsequently cleaved into two smaller polypeptides, the HA1 and HA2 subunits. Each HA monomer consists of a long, helical chain anchored in the membrane by HA2 and topped by a large HA1 globule.

Description

Recombinant HA protein expressed and purified from HEK293 cells

Viral Protein

C-terminal 8x His tagged hemagglutinin (A/Massachusetts/18/2022)(H3N2)(aa 17-529) protein (GISAID Accession#: EPI2096756)(recommended FLU vaccine virus strain for 2024-2025 season).

Applications

WB standard, antibody ELISA, immunogen, etc.

Storage

Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.

Concentration

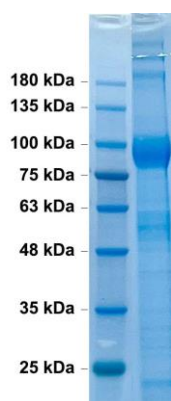
1 µg/µl in PBS

Endotoxin Level

<0.01 EU per 1 µg of the protein by LAL test

Purity

> 95% purity (SDS PAGE)



SDS-PAGE: HA (A/Massachusetts/18/2022)(H3N2) protein (reducing condition)

HA(H3N2)(A/Massachusetts/18/2022) SEQ:

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QKIP GNDNSTATLC LGHHA VPNGT IVKTITNDRI EVTNATELVQ NSSIGKICNS PHQILDGGNC TLIDALLGDP QCDGFQNKWE
DLFVERSRAN SSCYPYDVPD YASLRSLVAS SGTLEFKNES FNWTGVKQNG TSSACKRGSS SSFFSRLNWL TSLNNIYPAQ NVTMPNKEQF
DKLYIWGVHH PTDKNQFSL FAQSSGRITV STKRSQQAVI PNIGSRPRVR DIPSRISIYW TIVKPGDILL INSTGNLIAP RGYFKIRSGK
SSIMRSDAPI GKCKSECITP NGSIPNDKPF QNVNRITYGA CTRYVKQSTL KLATGMRNVP EKQTRGIFGA IAGFIENGWE GMVDGWYGFR
HQNSEGRGQA ADLKSTQAAI DQISGKLNRL IGKTNEKFHQ IEKEFSEVEG RVQDLEKYVE DTKIDLWSYN AELLVALENQ HTIDLTDSEM
NKLFEKTKKQ LRENAEDMGN GCFKIYHKCD NACIGSIRNE TYDHNVYRDE ALNNRFQIKG VELKSGYKD HHHHHH
  
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