

Anti-Envelope Protein (Zika Virus) Rabbit Polyclonal Antibody

CATALOG NUMBER: ZV-E-0100, 100 µg

Introduction	Zika virus (ZIKV), a Flaviviridae family member, is a single-stranded, positive-sense RNA virus with a 10.7 Kb genome encoding a single polypeptide that is cleaved into three structural proteins: capsid (C), precursor of membrane (prM), envelope (E) and seven non-structural proteins: NS1, NS2A, NS2B, NS3, NS4A, NS4B, NS5. The flavivirus envelope (E) glycoprotein is responsible for virus entry and represents a major target of neutralizing antibodies for other flaviviruses.
Applications	WB (1: 500-2000), ELISA, etc
Description	Anti-envelope protein (zika virus) rabbit polyclonal antibody
Immunogen	Full length recombinant envelope (E) protein (aa 1-504) of zika virus (GenBank# AMA12087)
Specificity	React with E protein of zika virus
Purification	Chromatography on protein A Sepharose
Isotype	IgG
Storage	Store at -20 °C; Stable for at least 1 month from the date of shipment at 4 °C.
Concentration	2 µg/µl in PBS with 0.1% sodium azide
Size	100 µg
Usage	This product does not contain livestock or poultry disease agents, non-toxic/non contagious and is not intended for human use, only for laboratory research and development.

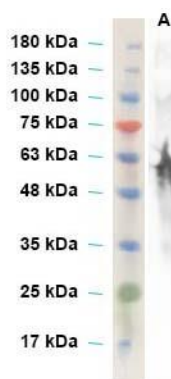


Figure 1, Western blot: primary antibody, anti-envelope (Zika virus) rabbit polyclonal antibody (1:1000 dilution); secondary antibody, HRP-conjugated goat anti-rabbit IgG (1:4000)
A, full length envelope protein of Zika virus

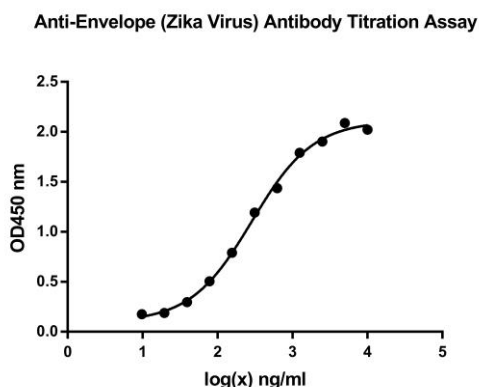


Figure 2, Titration curves of anti-E antibody to Zika virus envelope protein. 96-well corning ELISA plate was coated with zika virus envelope protein (Cat# ZV-E-005P) at a concentration of 2 µg/ml.