



Chikungunya virus E protein ectodomain polyclonal antibody

Catalog: NCP0149P

Host: Rabbit

Reactivity: CHIKV-E

BackGround:

Chikungunya virus (CHIKV) belongs to the Semliki Forest antigenic group of the genus Alphaviridae, which includes other arthritogenic alphaviruses, such as o'nyong-nyong, Ross River, Barmah Forest, and Mayaro viruses. Its genome is closely related to that of o'nyong-nyong virus, and consists of a single 11.8-kbp strand of positive sense RNA, which encodes a 2472 amino acid nonstructural and a 1244 amino acid structural polyprotein.³ The polyproteins give rise to the four non-structural proteins (nsP1-4) that make up the viral replication machine, and five structural proteins. Each spherical viral particle is approximately 70 nm in diameter and is comprised of a strand of genomic RNA, encapsidated by capsid (C) proteins, surrounded by a host cell-derived lipid bilayer spiked with heterodimers of envelope proteins E1 and E2.⁴ The other two structural proteins, 6K and E3, are leader peptides for E1 and E2, respectively, and are not observed in abundance in the mature virion.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

Swiss-Prot:

ABN04192.1

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

ELISA: 1:5000~10000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Chikungunya virus E protein ectodomain polyclonal antibody detects endogenous levels of CHIKV-E protein.

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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