Rift Valley Fever Virus Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 253843
Unit: 0.1 mg

Description:
Rift Valley Fever (RFV) virus is an arthropod-borne virus endemic to Africa that infects humans and animals that is transmitted predominantly by mosquitoes. During human infections, symptoms can range from benign fever to severe encephalitis and fatal hepatitis with hemorrhagic fever. The Bunyaviridae family of viruses to which the RVF virus belongs are spherical enveloped viruses with a tripartite RNA genome of negative or ambisense polarity. The three segments are referred to as the L, M, and S segments. The L and M segments are negative polarity and code for the L-dependent RNA polymerase and glycoprotein precursor respectively. The S segment is of ambisense polarity and encodes the nucleoprotein and non-structural proteins. This RVF virus antibody was derived from a peptide sequence near the center of the polyprotein precursor translated from the M segment. It will therefore detect both the precursor and the Glycoprotein G1. Glycoprotein G1 and G2 interact with each other and are present at the surface of the virion. They are able to attach the virion to a cell receptor and to promote fusion of membranes after endocytosis of the virion.

Isotype: Rabbit Ig
Applications: E
Species Reactivity: Vs
Format: Each vial contains 0.1 ml IgG (1 mg/ml) in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Rift Valley Fever Virus; RVF virus; RVFV; envelope glycoprotein; M polyprotein; GP; glycoprotein G1
Accession No.: P03518

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of the RVF virus glycoprotein.

Application Notes: Product Cat. No. 253843 can detect 10 ng RVF Virus peptide in ELISA at 1 ug/ml. E: 1:500-1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.