Rift Valley Fever Virus (IN) antibody (pAb)

Rabbit Anti-Rift Valley Fever Virus (IN)

Instruction Manual

Catalog Number | PK-AB718-4519

Synonyms | Rift Valley Fever Virus Antibody: RVF virus, RVFV

Description | Rift Valley Fever (RVF) 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.

Quantity | 100 µg

Source/Host | Rabbit

Immunogen | RVF virus antibody was raised in rabbits against a 20 amino acid peptide near the center of the RVF virus.

Purification Method | Affinity chromatography purified via peptide column.

Clone/IgG Subtype | Polyclonal antibody

Species Reactivity | Virus

Specificity | 

Formulation | Antibody is supplied in PBS containing 0.02% sodium azide.

Reconstitution | During shipment, small volumes of antibody will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container’s cap.

Storage & Stability | Antibody can be stored at 4ºC for three months and at -72ºC for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Applications | E INote: Antibody might be suitable for other applications not tested so far. Optimal concentrations for each application have to be determined individually.

RFV virus antibody can detect 10ng RVF virus peptide in ELISA at 1 µg/mL.

Images | NA


Schmaljohn C and Hooper JW. Bunyaviridae: the viruses and their replication, 4th ed. Lippincott Williams & Wilkins, Philadelphia, PA.


Images | NA

Related Products | Cat.No. PK-AB718-4519P; Rift Valley Fever Virus Peptide

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