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Datasheet for 600-401-DZ3

Rift Valley Fever Virus Antibody

Overview

Description:	Anti-Rift Valley Fever Virus (RABBIT) Antibody - 600-401-DZ3
Item No.:	600-401-DZ3
Size:	100 µg
Applications:	ELISA
Reactivity:	Virus
Host Species:	Rabbit

Product Details

Background:	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 fore 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.
Synonyms:	Rift Valley Fever Virus Antibody, Envelope glycoprotein, M polyprotein, GP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RVFV_sM_gp1
Reactivity:	Virus
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-RVF virus antibody was prepared from whole rabbit serum produced by repeated immunizations with a 20 amino acid synthetic peptide near the internal region of the RVF virus.
Purity/Specificity:	Anti-Rift Valley Fever Virus Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Rift Valley Fever Virus from other sources has not been determined.
Relevant Links:	• UniProtKB - P03518 • GeneID - 9538296 • NCBI - P03518

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Rift Valley Fever Virus Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 132 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

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