

Datasheet for 600-401-DZ4**Rift Valley Fever Virus Nucleocapsid Antibody****Overview**

Description:	Anti-Rift Valley Fever Virus Nucleocapsid (RABBIT) Antibody - 600-401-DZ4
Item No.:	600-401-DZ4
Size:	100 µg
Applications:	ELISA
Reactivity:	Virus
Host Species:	Rabbit

Product Details

Background:	Rift Valley Fever (RVF) virus is an arthropod-borne virus endemic to Africa that infects humans and animals that is transmitted predominantly by mosquitoes (1). 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 (2). 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 (3).
Synonyms:	Rift Valley Fever Virus Nucleocapsid Antibody, Nucleocapsid protein, Rift valley fever virus (RVFV)
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Immunogen:	Anti-RVF virus nucleocapsid antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the internal region of the RVF virus nucleocapsid.
Purity/Specificity:	Anti-Rift Valley Fever Virus Nucleocapsid Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Rift Valley Fever Virus Nucleocapsid from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9QKA6 • GeneID - 9538291 • NCBI - YP_003848707

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Rift Valley Fever Virus Nucleocapsid Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 27 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:	1 mg/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.

Disclaimer

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