

Datasheet for 600-401-DV5**Puumala Virus Glycoprotein Antibody****Overview**

Description:	Anti-Puumala Virus Glycoprotein (RABBIT) Antibody - 600-401-DV5
Item No.:	600-401-DV5
Size:	100 µg
Applications:	ELISA
Reactivity:	Virus
Host Species:	Rabbit

Product Details

Background:	Puumala virus (PUUV) is a rodent-borne hantavirus of the family Bunyaviridae, an enveloped, negative-sense RNA viruses with a tripartite genome that can cause hantavirus pulmonary syndrome (HPS) and is highly homologous to the prototype hantavirus Hantaan virus (1). Like other hantaviruses, the PUUV glycoprotein is synthesized as a precursor that is posttranslationally processed into two glycoproteins G1 (Gn) and G2 (Gc). These glycoproteins interact with the PUUV nucleocapsid (NP) protein through their cytoplasmic tail, and this association has been suggested to be crucial to the binding of the ribonucleoprotein of the PUUV and the assembly of the virus particle (2).
Synonyms:	Puumala Virus Glycoprotein Antibody, Envelope glycoprotein, M polyprotein, GP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PUUVsMgp1
Reactivity:	Virus
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Puumala virus glycoprotein antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of the Puumala virus glycoprotein.

Purity/Specificity:	Anti-Puumala virus glycoprotein antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Puumala Virus Glycoprotein from other sources has not been determined.
Relevant Links:	• GeneID - 2943082 • NCBI - AFQ60650

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Puumala Virus Glycoprotein Antibody has been tested for use in ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 126 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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