

Datasheet: MCA2851

Description:	MOUSE ANTI HANTAVIRUS PUUMALA VIRUS G2 PROTEIN
Specificity:	HANTAVIRUS PUUMALA VIRUS G2 PROTEIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	G2D11
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1.0mg/ml

Concentrations

Immunogen	Synthetic peptide conjugated to hsp70.
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RRID	AB_1125321
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Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
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Specificity

Mouse anti Hantavirus Puumala Virus G2 Protein antibody, clone G2D11 recognizes the G2 glycoprotein of the Puumala virus, a species of Hantavirus that causes haemorrhagic fever with renal syndrome (HFRS) in Russia, Asia and Europe. The Puumala virus causes a mild form of HFRS also called nephropathia epidemica characterised by fever, conjunctival infections, thrombocytopenia and transient renal failure. The virus is carried and transmitted by the bank vole *Clethrionomys glareolus* in which the virus causes a life-long persistent infection. Puumala is an enveloped virus with a segmented, single-stranded RNA genome and four structural proteins, a RNA polymerase, two envelope glycoproteins (G1 and G2) and a nucleocapsid protein (N).

Mouse anti Hantavirus Puumala Virus G2 Protein antibody, clone G2D11 does not cross-react with Dobrava, Hanta and Seoul viruses.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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