

Product Datasheet

Murine Hepatitis Virus A59 nsp9 Antibody (2C6.H1) - BSA Free NBP2-21671

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP2-21671

Murine Hepatitis Virus A59 nsp9 Antibody (2C6.H1) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2C6.H1
Preservative	0.01% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

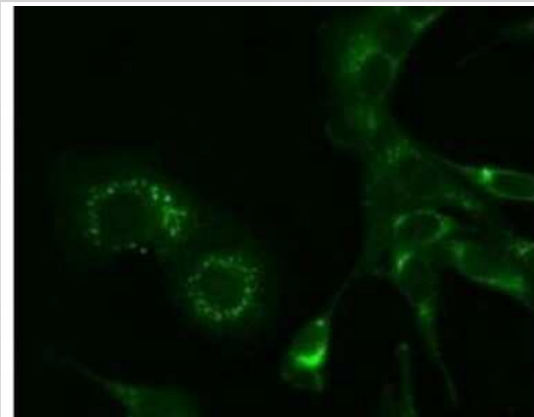
Product Description	
Description	<p>This product was purified from tissue culture supernatant fluid by Protein A chromatography</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Mouse
Gene ID	1489749
Gene Symbol	ORF1ab
Species	Virus
Reactivity Notes	This antibody is directed against the Murine Hepatitis Virus A59 nsp9 protein. No cross reactivity occurs with SARS CoV nsp9. Cross reactivity with homologues from other sources has not been tested.
Specificity/Sensitivity	No cross reactivity occurs with SARS CoV nsp9.
Immunogen	This Murine Hepatitis Virus A59 nsp9 Antibody (2C6.H1) was produced in mice by repeated immunizations with E.coli derived full-length Murine Hepatitis Virus A59 nsp9 protein. This protein is part of the viral replicase polyprotein. (Uniprot: POC6V0)

Product Application Details	
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Dot Blot
Application Notes	This antibody has been tested for use in immunofluorescence microscopy and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 13 kDa in size corresponding to mature MHV-A59 nsp9 by western blotting in the appropriate cell lysate or extract. For immunofluorescence microscopy, Vero-E6 cells were grown on glass slides followed by infection with MHV-A59 strain and fixation with PBS/3% PFA. After washing and permeabilization of the fixed cells, antibody incubation was performed in PBS/5% FCS for 30 min.



Images

Immunocytochemistry/Immunofluorescence: Murine Hepatitis Virus A59 nsp9 Antibody (2C6.H1) [NBP2-21671] - 6-h post infection in mouse L cells. Cells were fixed in 3% para-formaldehyde. For detection Cy2 conjugated Goat-anti-Mouse IgG MX10 was used.



Western blotting using a nsp9 antibody to detect protein in various lysates, 6h post MHV infection. Lane 1 shows no cross-reactivity with Sected Vero cells. Negative controls (lanes 2 and 4) show no staining. Specific reactivity against MHV-A59 nsp9 from infected mouse L cells is shown in lane 3. Personal Communication, Eric Snijder, Leiden University Medical Center, Leiden, Netherlands.



Publications

Archer S, Dasgupta A, Chen K et al. SARS-CoV-2 mitochondriopathy in COVID-19 pneumonia exacerbates hypoxemia Redox Biology 2022-12-01 [PMID: 36334378] (IHC-P, Virus)

Details:

Dilution used in IHC 1:500



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Products Related to NBP2-21671

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-21671UV	Murine Hepatitis Virus A59 nsp9 Antibody (2C6.H1) [DyLight 350]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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