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antibody and ELISA experts

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Anti-Hepatitis Virus A59 Nonstructural Protein 9 1a Monoclonal Antibody

Catalog Number: M19765

About 1A

The nonstructural protein 9 (nsp9) is one of the Mouse hepatitis virus replicase cleavage products, encoded by ORF1a. Nsp9 is an RNA-binding protein that is thought to be part of the viral replication complex, which is associated with intracellular membranes.

Overview

Product Name	Anti-Hepatitis Virus A59 Nonstructural Protein 9 1a Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Hepatitis Virus A59 Nonstructural Protein 9 1a Monoclonal Antibody (Catalog # M19765). Tested in IF, WB applications. This antibody reacts with Mouse.
Application	IF, WB
Clonality	Monoclonal Clone: 2C6.H1 IgG2b kappa
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	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 date is one (1) year from date of opening. (Ship on dry ice.)
Host	Mouse
Uniprot ID	P0C6V0

Technical Details

Immunogen	This antibody was produced in mice by repeated immunizations with E.coli derived full-length MHV-A59 nsp9 protein. This protein is part of the viral replicase polyprotein.
Predicted Reactive Species	Hepatitis Virus
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG2b kappa
Form	Liquid (sterile filtered)
Concentration	2.112 mg/mL by UV absorbance at 280 nm
Purification	This antibody is directed against the MHV-A59 nsp9 protein. This product was purified from tissue culture supernatant fluid by Protein A chromatography. No cross-reactivity occurs with SARS CoV

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	nsp9. Cross-reactivity with homologues from other sources has not been tested.
Suggested Dilutions	IF Microscopy: 1:1,000 WB: 1:1,000 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.

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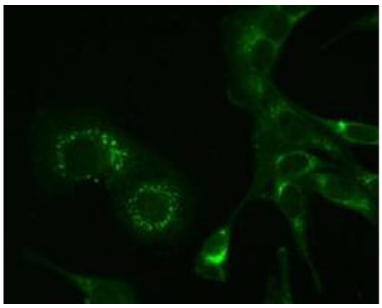
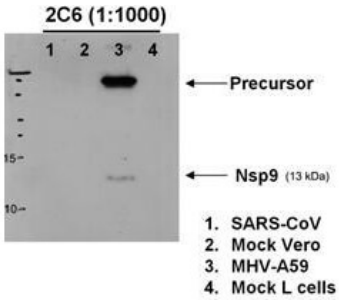
Anti-Hepatitis Virus A59 Nonstructural Protein 9 1a Monoclonal Antibody (M19765) Images



Immunofluorescence microscopy using Boster Immunochemical's anti-MHV-A59 nsp9 antibody, 6-h post infection in mouse L cells. Cells were fixed in 3% para-formaldehyde. For detection Cy2 conjugated Goat-anti-Mouse IgG MX10 (610-111-121) was used. Personal Communication, Eric Snijder, Leiden University Medical Center, Leiden, Netherlands.



Western blotting using Boster's anti-MHV-A59 nsp9 antibody to detect protein in various lysates, 6h post MHV infection. Lane 1 shows no cross-reactivity with SARS-CoV-infected 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.

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