

Datasheet: MCA490

BATCH NUMBER 163453

Description:	MOUSE ANTI RESPIRATORY SYNCYTIAL VIRUS FUSION PROTEIN
Specificity:	RESPIRATORY SYNCYTIAL VIRUS FUSION PROTEIN
Other names:	RSV
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RSV3216 (B016)
Isotype:	IgG2b
Quantity:	1 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 (1)	▪			
Immunoprecipitation	▪			
Western Blotting	▪			
Immunofluorescence	▪			
Immuno-electron Microscopy	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1)Suitable as capture reagent with MCA491 as detection reagent in sandwich ELISA (See [Adams et al. 2010](#) for details).

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on protein A from tissue culture supernatant.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Bovine RSV strains: 127, SNK and 9007. Human RSV strains: Long, Randall, 8/60, and A/2.
RRID	AB_2231368
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	<p>Mouse anti respiratory syncytial virus fusion protein antibody, clone RSV3216 recognizes an epitope within the RSV fusion protein (46 kDa and 22 kDa s-s linked glycoprotein).</p> <p>Mouse anti respiratory syncytial virus fusion protein antibody, clone RSV3216 can be used in immunofluorescence assays in conjunction with MCA491G (clone RSV3132).</p>
Purity	>90% IgG
References	<ol style="list-style-type: none"> Mason, S.W. <i>et al.</i> (2004) Polyadenylation-dependent screening assay for respiratory syncytial virus RNA transcriptase activity and identification of an inhibitor. Nucleic Acids Res. 32 (16): 4758-67. Adams, O. <i>et al.</i> (2010) Palivizumab-resistant human respiratory syncytial virus infection in infancy. Clin Infect Dis. 2010 Jul 15;51(2):185-8. Eckardt-Michel, J. <i>et al.</i> (2008) The fusion protein of respiratory syncytial virus triggers p53-dependent apoptosis. J Virol. 82: 3236-49. Kolokoltsov, A.A. <i>et al.</i> (2007) Small interfering RNA profiling reveals key role of clathrin-mediated endocytosis and early endosome formation for infection by respiratory syncytial virus. J Virol. 81: 7786-800. Riffault, S. <i>et al.</i> (2006) Replication of bovine respiratory syncytial virus in murine cells depends on type I interferon-receptor functionality. J Gen Virol. 87: 2145-8. Schlender, J. <i>et al.</i> (2005) Inhibition of toll-like receptor 7- and 9-mediated alpha/beta interferon production in human plasmacytoid dendritic cells by respiratory syncytial virus and measles virus. J Virol. 79 (9): 5507-15. Schlender, J. <i>et al.</i> (2003) Respiratory syncytial virus (RSV) fusion protein subunit F2, not attachment protein G, determines the specificity of RSV infection. J Virol. 77: 4609-16. Zimmer, G. <i>et al.</i> (2005) A chimeric respiratory syncytial virus fusion protein functionally replaces the F and HN glycoproteins in recombinant Sendai virus. J Virol. 79: 10467-77. Zimmer, G. <i>et al.</i> (2003) Virokinin, a bioactive peptide of the tachykinin family, is released from the fusion protein of bovine respiratory syncytial virus. J Biol Chem. 278: 46854-61. Riffault, S. <i>et al.</i> (2010) A new subunit vaccine based on nucleoprotein nanoparticles

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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: <https://www.bio-rad-antibodies.com/SDS/MCA490>
10040

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

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'M395766:220519'

Printed on 12 Aug 2023