

Datasheet: MCA2652

**BATCH NUMBER 162899**

<b>Description:</b>	MOUSE ANTI RESPIRATORY SYNCYTIAL VIRUS FUSION PROTEIN
<b>Specificity:</b>	RESPIRATORY SYNCYTIAL VIRUS FUSION PROTEIN
<b>Other names:</b>	RSV
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	0651
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/20 - 1/200
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			1/10 - 1/50
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.

<b>Target Species</b>	Viral
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml
<b>Immunogen</b>	Fusion protein of the human Respiratory Syncytial Virus.
<b>RRID</b>	AB_844557
<b>Specificity</b>	<p><b>Mouse anti Respiratory syncytial virus antibody, clone 0651</b> detects the fusion protein of human respiratory syncytial virus (RSV), groups A and B. RSV is a negative-sense, single-stranded RNA virus and is a member of the <i>Paramyxoviridae</i> family. RSV causes respiratory tract infections in patients of all ages, but particularly affects infants and the immunosuppressed.</p> <p>RSV encodes three envelope glycoproteins, a small hydrophobic (SH) protein of unknown function, a glycoprotein (G) known as the attachment protein, and a fusion (F) protein. The F protein directs fusion of viral and cellular membranes, resulting in viral penetration, and can lead to the formation of syncytia.</p> <p>The F protein is thought to be the principal antigen responsible for inducing an immune response.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>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. <a href="#">J Virol. 77 (8): 4609-16.</a></li> <li>Kim, Y.K. <i>et al.</i> (2007) Genetic variability of the fusion protein and circulation patterns of genotypes of the respiratory syncytial virus. <a href="#">J Med Virol. 79 (6): 820-8.</a></li> </ol>
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>Cianci, C. <i>et al.</i> (2005) Antiviral activity and molecular mechanism of an orally active respiratory syncytial virus fusion inhibitor. <a href="#">J Antimicrob Chemother. 55 (3): 289-92.</a></li> </ol>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2652">https://www.bio-rad-antibodies.com/SDS/MCA2652</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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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](https://bio-rad-antibodies.com/datasheets)

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Printed on 18 Jan 2024