

Datasheet: MCA2722

Description:	MOUSE ANTI PARAINFLUENZA VIRUS 3
Specificity:	PARAINFLUENZA VIRUS 3
Other names:	HPIV-3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	341/7H (PAR3)
Isotype:	IgG2a
Quantity:	1 mg

Product Details

RRID AB_915368

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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			

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 A from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen Parainfluenza 3 haemagglutinin protein.

Specificity	<p>Mouse anti Parainfluenza virus 3 antibody, clone 341/7H recognises an epitope within the haemagglutinin-neuraminidase (HN) protein of parainfluenza virus 3 (HPIV-3), an enveloped single-stranded RNA virus of the <i>Paramyxoviridae</i> family.</p> <p>Parainfluenza viruses are genetically and antigenically divided into the four types HPIV1-4, with HPIV-1, -2 and -3 being major causative agents of lower respiratory infections in the young and immunologically vulnerable. The HN protein of all HPIV, is a ~69-82 kDa surface glycoprotein which mediates the attachment of the virus to the host cell, through binding to cell surface sialic acid-containing receptors. The receptor-cleaving neuraminidase activity of HN is essential for further infection by HPIV, by ensuring the release of progeny virions.</p> <p>Mouse anti Parainfluenza virus 3 antibody, clone 341/7H does not react with Parainfluenza 1 or Parainfluenza 2.</p>
References	<p>1. Hierholzer, J.C. <i>et al.</i> (1989) Comparison of monoclonal antibody time-resolved fluoroimmunoassay with monoclonal antibody capture-biotinylated detector enzyme immunoassay for respiratory syncytial virus and parainfluenza virus antigen detection. J Clin Microbiol. 27 (6): 1243-9.</p>
Further Reading	<p>1. Henrickson, K.J. (2003) Parainfluenza viruses. Clin Microbiol Rev. 16 (2): 242-64.</p>
Storage	<p>Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	<p>18 months from date of despatch.</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p>
Regulatory	<p>For research purposes only</p>

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

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