

Datasheet: MCA2655

BATCH NUMBER 163039

Description:	MOUSE ANTI HUMAN CD9
Specificity:	CD9
Other names:	MRP-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	Bu16
Isotype:	IgG2a
Quantity:	0.2 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	▪			Neat - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			
Immunofluorescence	▪			
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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
External Database Links	<p>UniProt: P21926 Related reagents</p> <p>Entrez Gene: 928 CD9 Related reagents</p>
Synonyms	MIC3, TSPAN29
RRID	AB_2075888
Specificity	<p>Mouse anti Human CD9 antibody, clone Bu16 detects human CD9, also known as Motility-related protein-1 (MRP-1). CD9 is a 228 amino acid, including an N-terminal initiator methionine ~24-27 kDa multipass transmembrane glycoprotein and member of the tetraspanin family. It is thought that the main role of tetraspanins is to form signal transducing complexes with integrins at the cell surface, for this reason CD9 has multiple functions in cell adhesion and motility, platelet activation, gamete fusion and cell proliferation.</p> <p>CD9 has a functional role as a tumour metastatic suppressor and is expressed in melanomas, and colon, lung and breast carcinomas.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
Western Blotting	MCA2655 detects a band of approximately 25kDa in HeLa cell lysates.
Further Reading	<ol style="list-style-type: none"> Huang, C.L. <i>et al.</i> (2004) MRP-1/CD9 gene transduction downregulates Wnt signal pathways. Oncogene. 23 (45): 7475-83. Huang, C.L. <i>et al.</i> (2006) MRP-1/CD9 gene transduction regulates the actin cytoskeleton through the downregulation of WAVE2. Oncogene. 25 (49): 6480-8.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10040 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA2655>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Human Anti Mouse IgG2a (HCA037...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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://www.bio-rad-antibodies.com/datasheets)
'M383953:210513'

Printed on 18 Jan 2024

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