Datasheet: MCA199 BATCH NUMBER 161102

Description:	RAT ANTI MOUSE IgM HEAVY CHAIN
Specificity:	IgM HEAVY CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LO-MM-9
lsotype:	lgG2a
Quantity:	0.25 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 <u>www.bio-rad-antibodies.com/protocols</u> .					
		Yes	No	Not Determined	Suggested Dilution	
	Flow Cytometry			•		
	Immunohistology - Frozen	-				
	Immunohistology - Paraffin					
	ELISA	-			5ug/ml (as a coating antibody)	
	Immunoprecipitation			-		
	Western Blotting			-		
	necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.					
Target Species	Mouse					
Product Form	Purified IgG - liquid					
Preparation	Purified IgG prepared by affinity chromatography on mouse IgM/Sepharose 4B from tissue culture supernatant					
Buffer Solution	Phosphate buffered saline					
Preservative Stabilisers	0.1% Sodium Azide					

Approx. Protein Concentrations	IgG concentration 1 mg/ml				
Immunogen	Polyclonal and monoclonal mouse IgM.				
External Database Links	UniProt:P01872Related reagentsP01873Related reagentsEntrez Gene:16019IghmRelated reagents16019IghmRelated reagents				
RRID	AB_321869				
Fusion Partners	Spleen cells from immunized LOU/c rats were fused with cells of the IR983F rat myeloma cell line.				
Specificity	Rat anti Mouse IgM, clone LO-MM-9 is directed against the mu chain of mouse IgM.				
References	 Rat anti Mouse IgM, clone LO-MM-9 is directed against the mu chain of mouse IgM. 1. Bazin, H. <i>et al.</i> (1974) Three classes and four (sub)classes of rat immunoglobulins: IgM, IgA, IgE and IgG1, IgG2a, IgG2b, IgG2c. Eur J Immunol. 4 (1): 44-8. 2. Bazin, H. <i>et al.</i> (1984) Rat monoclonal antibodies. II. A rapid and efficient method of purification from ascitic fluid or serum. J Immunol Methods. 71: 9-16. 3. Busund, L.T. <i>et al.</i> (2003) Spontaneously formed tumorigenic hybrids of Meth A sarcoma cells and macrophages <i>in vivo</i>. Int J Cancer. 106 (2): 153-9. 4. Achtman AH <i>et al.</i> (2003) <i>Plasmodium chabaudi chabaudi</i> infection in mice induces strong B cell responses and striking but temporary changes in splenic cell distribution. J Immunol. 171 (1): 317-24. 5. Huang, C.H. <i>et al.</i> (2011) Airway inflammation and IgE production induced by dust mite allergen-specific memory/effector Th2 cell line can be effectively attenuated by IL-35. J Immunol. 187: 462-71. 6. Bermejo, D.A. <i>et al.</i> (2011) <i>Trypanosoma cruzi</i> infection induces a massive extrafollicular and follicular splenic B-cell response which is a high source of non-parasite- specific antibodies. Immunology. 132 (1): 123-33. 7. Sreekanthreddy, P. <i>et al.</i> (2015) A three-dimensional model of the human blood-brain barrier to analyse the transport of nanoparticles and astrocyte/endothelial interactions. F1000Res. 4: 1279. 				
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	Material Safety Datasheet documentation #10040 available at:		
Information	https://www.bio-rad-antibodies.com/SDS/MCA199		
	10040		

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR73)	RPE			
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71) <u>DyLight®550</u> , <u>DyLight®650</u> , <u>DyLight®800</u>				
Rabbit Anti Rat IgG (STAR21)	HRP			
Rabbit Anti Rat IgG (STAR16)	DyLight®800			
Goat Anti Rat IgG (STAR131)	Alk. Phos., Biotin			
Rabbit Anti Rat IgG (STAR17)	<u>FITC</u>			
Goat Anti Rat IgG (STAR72)	HRP			
Goat Anti Rat IgG (STAR69)	<u>FITC</u>			
Recommended Negative Controls				
RAT IgG2a NEGATIVE CONTROL (MCA1212)				

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rac	d.com	Email: antibody_sales_uk@bio-ra	d.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M383461:210513'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | Legal | Imprint