Datasheet: MCA74GA BATCH NUMBER 167738

Description:	RAT ANTI MOUSE CD11b		
Specificity:	CD11b		
Other names:	INTEGRIN ALPHA M CHAIN, MAC-1		
Format:	Purified		
Product Type:	Monoclonal Antibody		
Clone:	M1/70.15		
Isotype:	lgG2b		
Quantity:	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 <u>www.bio-rad-antibodies.com/protocols</u>.

		0010.				
		Yes	No	Not Determined	Suggested Dilution	
	Flow Cytometry	-			1/50 - 1/200	
	Immunohistology - Frozen	-				
	Immunohistology - Paraffin					
	(1)			•		
	Immunohistology - Resin					
	ELISA					
	Immunoprecipitation	•				
	Western Blotting					
	Immunofluorescence	-				
	Where this antibody 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 antibody for use in their own					
						system using appropriate negative/positive controls.
	(1)PLP fixation is recommended for optimal results, see <u>Whiteland et al.</u> for details					
	Target Species	Mouse				
Species Cross	Reacts with: Human, Rat	obit				
leactivity	N.B. Antibody reactivity and working conditions may vary between species. Cross					
	reactivity is derived from testing within our laboratories, peer-reviewed publications or					
	personal communications from the originators. Please refer to references indicated for					
	further information.					

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				
Carrier Free	Yes				
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml				
Immunogen	T cell enriched splenocytes from B10 mice.				
External Database Links	UniProt: <u>P05555</u> <u>Related reagents</u>				
	Entrez Gene:				
	<u>16409</u> Itgam <u>Related reagents</u>				
RRID	AB_324660				
Fusion Partners	Spleen cells from immunized DA rats were fused with cells of the NS1/1.Ag4.1 mouse myeloma cell line.				
Fusion Partners Specificity					
	myeloma cell line. Rat anti Mouse CD11b antibody, clone M1/70.15 recognizes the murine CD11b cell surface antigen also known as the alpha M integrin chain or MAC-1, a differentiation				
	myeloma cell line. Rat anti Mouse CD11b antibody, clone M1/70.15 recognizes the murine CD11b cell surface antigen also known as the alpha M integrin chain or MAC-1, a differentiation antigen expressed by granulocytes, monocytes, NK cells and tissue macrophages. The expression of CD11b increases during monocyte maturation and expression levels vary on tissue macrophages. Peritoneal macrophages are reported to express higher				
	 myeloma cell line. Rat anti Mouse CD11b antibody, clone M1/70.15 recognizes the murine CD11b cell surface antigen also known as the alpha M integrin chain or MAC-1, a differentiation antigen expressed by granulocytes, monocytes, NK cells and tissue macrophages. The expression of CD11b increases during monocyte maturation and expression levels vary on tissue macrophages. Peritoneal macrophages are reported to express higher levels of CD11b than splenic macrophages. Rat anti Mouse CD11b antibody, clone M1/70.15 has been reported to block iC3b binding 				
	 myeloma cell line. Rat anti Mouse CD11b antibody, clone M1/70.15 recognizes the murine CD11b cell surface antigen also known as the alpha M integrin chain or MAC-1, a differentiation antigen expressed by granulocytes, monocytes, NK cells and tissue macrophages. The expression of CD11b increases during monocyte maturation and expression levels vary on tissue macrophages. Peritoneal macrophages are reported to express higher levels of CD11b than splenic macrophages. Rat anti Mouse CD11b antibody, clone M1/70.15 has been reported to block iC3b binding to its receptor (Beller <i>et al.</i> 1982). Rat anti Mouse CD11b antibody, clone M1/70.15 has been reported to as being suitable for use on PLP fixed paraffin embedded tissue but has not been tested for use on formalin 				

leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. J <u>Histochem Cytochem. 43 (3): 313-20.</u>

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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/MCA74GA 10040			
Regulatory	For research purposes only			

Related Products

Recommended Secondary Antibodies

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

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Printed on 18 Mar 2024

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