

Datasheet: MCA551SBV440 BATCH NUMBER 64569936

Description:	MOUSE ANTI HUMAN CD11b:StarBright Violet 440			
Specificity:	CD11b			
Other names:	INTEGRIN ALPHA M CHAIN, MAC-1			
Format:	StarBright Violet 440			
Product Type:	Monoclonal Antibody			
Clone:	ICRF44			
lsotype:	lgG1			
Quantity:	100 TESTS/0.5ml			

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	•		Neat			
	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						
Species Cross Reactivity	Reacts with: Cynomolgus monkey, Baboon, Rhesus Monkey Does not react with:Cat 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 conjugated to StarBright Violet 440 - liquid						
Max Ex/Em	Fluorophore	Excitation Max (nm)	· · · ·				
	StarBright Violet 440	383	436				
Preparation	Purified IgG prepared supernatant	by affinity chromatog	raphy on Protein A fron	n tissue culture			

Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20		
Immunogen	Rheumatoid synovial cells and human monocytes.		
External Database Links	UniProt: <u>P11215</u> <u>Related reagents</u> Entrez Gene: <u>3684</u> ITGAM <u>Related reagents</u>		
Synonyms	CD11B, CR3A		
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse Sp2/0 myeloma cell line.		
Specificity	Mouse anti Human CD11b antibody, clone ICRF44 recognizes the human CD11b cell surface glycoprotein, a 165 kDa molecule also known as the alphaM integrin, MAC-1 and CR3. This molecule is expressed as a heterodimer in association with the beta 2 integrin, and is found upon monocytes, granulocytes, NK cells and some peripheral blood lymphocytes.		
	Mouse anti Human CD11b antibody, clone ICRF44 has been reported to have various functional effects on monocytes, blocking adhesion and stimulating cytokine and chemokine release.		
Flow Cytometry	Use 5µl of the suggested working dilution to label 10 ⁶ cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.		
References	 Malhotra, V. <i>et al.</i> (1986) Ligand binding by the p150,95 antigen of U937 monocytic cells: properties in common with complement receptor type 3 (CR3). <u>Eur J Immunol. 16</u> (9): 1117-23. Jonker, M. <i>et al.</i> (1989) Reactivity of mAb specific for human CD markers with Rhesus monkey leucocyte. Leucocyte Typing IV. Oxford University Press 1058-1063. Dransfield, I. <i>et al.</i> (1992) Interaction of leukocyte integrins with ligand is necessary but not sufficient for function. J Cell Biol. 116 (6): 1527-35. Rezzonico, R. <i>et al.</i> (2000) Engagement of CD11b and CD11c beta2 integrin by antibodies or soluble CD23 induces IL-1beta production on primary human monocytes through mitogen-activated protein kinase-dependent pathways. <u>Blood. 95 (12): 3868-77.</u> Stirling, R.G. <i>et al.</i> (2001) Interleukin-5 induces CD34(+) eosinophil progenitor mobilization and eosinophil CCR3 expression in asthma. <u>Am J Respir Crit Care Med. 164: 1403-9.</u> 		

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Storage	Store at +4°C. DO NOT FREEZE.				
	This product should be stored undiluted.				
Guarantee	12 months from date of despatch				
Acknowledgements	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign				
	counterparts				
Health And Safety	Material Safety Datasheet documentation #20471 available at:				
Information	https://www.bio-rad-antibodies.com/SDS/MCA551SBV440				
	20471				
Regulatory	For research purposes only				

Related Products

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

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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 'M426485:240123'

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