

Datasheet: MCA1369A488T

BATCH NUMBER 167485

Description:	HAMSTER ANTI MOUSE CD11c:Alexa Fluor® 488
Specificity:	CD11c
Other names:	INTEGRIN ALPHA X CHAIN
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	N418
ololie.	11410
Isotype:	lgG

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	•		1/10 - 1/100		
	Where this product has necessarily exclude its u a guide only. It is recomi system using appropriat	use in such procedu mended that the us	ires. Suggested working er titrates the product f	g dilutions are given as		
Target Species	Mouse					
Product Form	Purified IgG conjugated	to Alexa Fluor® 48	8 - liquid			
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)			
	Alexa Fluor®488	495	519			
Preparation	Purified IgG prepared by supernatant	/ affinity chromatog	raphy on Protein G fror	n tissue culture		
Buffer Solution	Phosphate buffered saline					
Preservative	0.09% sodium azide (Na	aN ₃)				
Stabilisers	1% bovine serum album	•				
Approx. Protein	IgG concentration 0.05 r	ng/ml				

Concentrations

Immunogen	Mouse spleen dendritic cells.
External Database Links	UniProt: Q9QXH4 Related reagents Entrez Gene: 16411 Itgax Related reagents
RRID	AB_1100621
Fusion Partners	Spleen cells from immunized Armenian Hamster were fused with cells of the Sp2/0 myeloma cell line.
Specificity	 Hamster anti Mouse CD11c antibody, clone N418 recognizes the murine homolog of human CD11c, also known as Integrin Alpha X, a 150/90 kDa member of the beta 2 integrin family. In mice, CD11c is primarily expressed by dendritic cells. Hamster anti Mouse CD11c antibody, clone N418 has been reported to enhance antigen specific responses when used to target dendritic cells <i>in vivo</i> (Wang <i>et al.</i> 2000).
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl. The Fc region of monoclonal antibodies may bind to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (<u>BUF041A/BUF041B</u>).
References	 Crowley, M.T. <i>et al.</i> (1990) Use of the fluorescence activated cell sorter to enrich dendritic cells from mouse spleen. <u>J Immunol Methods. 133 (1): 55-66.</u> Dahlen, E. <i>et al.</i> (1998) Dendritic cells and macrophages are the first and major producers of TNF-alpha in pancreatic islets in the nonobese diabetic mouse. <u>J Immunol.</u> 160: 3585-93. Nunez, R. <i>et al.</i> (1999) Immortalized cell lines derived from mice lacking both type I and type II IFN receptors unify some functions of immature and mature dendritic cells. Immunol Cell Biol. 77: 153-63. Wang, H. <i>et al.</i> (2000) Rapid antibody responses by low-dose, single-step, dendritic cell-targeted immunization. Proc Natl Acad Sci U S A. 97 (2): 847-52. Gonzalez-Juarrero, M. and Orme, I.M. (2001) Characterization of murine lung dendritic cells infected with <i>Mycobacterium tuberculosis</i>. Infect Immun. 69: 1127-33. de Jersey, J. <i>et al.</i> (2002) Activation of CD8 T cells by antigen expressed in the pituitary gland. J Immunol. 169: 6753-9. Hamada, H. <i>et al.</i> (2002) Identification of multiple isolated lymphoid follicles on the antimesenteric wall of the mouse small intestine. J Immunol. 168: 57-64. Mercier, S. <i>et al.</i> (2002) Distinct roles of adenovirus vector-transduced dendritic cells, myoblasts, and endothelial cells in mediating an immune response against a transgene product. J Virol. 76: 2899-911. Dimier-Poisson, I. <i>et al.</i> (2003) Protective mucosal Th2 immune response against Toxoplasma gondii by murine mesenteric lymph node dendritic cells. Infect Immun. 71:

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Storage	Metab. :S1550-4131(23)00475-8. 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. This product is photosensitive and should be protected from light.
Guarantee	12 months from date of despatch
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Related Products

Recommended Negative Controls

HAMSTER (ARMENIAN) IgG NEGATIVE CONTROL:Alexa Fluor® 488 (MCA2356A488)

Recommended Useful Reagents

MOUSE SEROBLOCK FcR (BUF041A) MOUSE SEROBLOCK FcR (BUF041B)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-r	Worldwide ad.com	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-	Europe rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-ra	To ^{Id.} എന്നപ	
batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M409414:221019'							

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