

Datasheet: MCA1369A488T

BATCH NUMBER 148244

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
lsotype:	IgG

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 antibody has necessarily exclude its a guide only. It is recom system using appropria	use in such Imended tha	procedure t the user	es. Suggested worki titrates the antibod	ng dilutions are given as	
Target Species	Mouse					
Product Form	Purified IgG conjugated to Alexa Fluor® 488 - liquid					
Max Ex/Em	Fluorophore	Excitation Ma	ax (nm)	Emission Max (nm)		
	Alexa Fluor®488	495	. ,	519	-	
Preparation	Purified IgG prepared b supernatant	y affinity chr	omatogra	phy on Protein G fro	om tissue culture	
Buffer Solution	Phosphate buffered sal	ine				
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum A	lbumin				
Approx. Protein	IgG concentration 0.05	mg/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 immunised 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> (<u>Wang <i>et al.</i> 2000</u>).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
	The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR (<u>BUF041A/B</u>).
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 Iida, Y. *et al.* (2020) Local injection of CCL19-expressing mesenchymal stem cells augments the therapeutic efficacy of anti-PD-L1 antibody by promoting infiltration of immune cells. <u>J Immunother Cancer. 8 (2) [Epub ahead of print].</u>

Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

	Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.
	Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1369A488T 10041
Regulatory	For research purposes only

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	Tel: +1 800 265 7376	Worldwide	Tel:
America	Fax: +1 919 878 3751		Fax
	Email: antibody_sales_us@)bio-rad.com	Ema

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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 M365216:200529'

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