

Datasheet: MCA2086F BATCH NUMBER 1608

Description:	MOUSE ANTI HUMAN CD18 (ACTIVATION EPITOPE):FITC
Specificity:	CD18 (ACTIVATION EPITOPE)
Other names:	INTEGRIN BETA 2 CHAIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	MEM-148
lsotype:	lgG1
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 persona					
	communications from the originators. Please refer to references indicated for				indicated for further	
	information. For general protocol recommendations, please visit www.bio-					
	rad-antibodies com/protocols					
		Yes	No	Not Determined	Suggested Dilution	
	Flow Cytometry	•				
	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 reco	mmended that t	the user t	itrates the antibod	dy for use in their own	
	system using appropri	ate negative/po	sitive cor	ntrols.	,	
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Target Species	Human					
Product Form	Purified IgG conjugate	ed to Fluorescei	n Isothiod	cyanate Isomer 1	(FITC) - liquid	
Max Ex/Em	Fluorophore	Excitation Max	(nm) E	mission Max (nm)		
	FITC	490		525		
Preparation	Purified IgG prepared by affinity chromatography on Protein A					
Buffer Solution	Phosphate buffered saline					
Preservative	0.09% Sodium Azide					
Stabilisers	1% Bovino Sorum	Albumin				
	170 Dovine Seruin					
Approx. Protein	In Connectation 0.4	ma/ml				
Concentrations	ige concentration 0.1	mg/m				

Immunogen	Peripheral blood mononuclear cells.	
External Database Links	UniProt: P05107 Related reagents Entrez Gene: 3689 ITGB2 Related reagents	
Synonyms	CD18, MFI7	
RRID	AB_323796	
Specificity	Mouse anti Human CD18 (Activation Epitope) antibody, clo an epitope on the human CD18 molecule that is hidden in the or resting cells. Clone MEM-148 binds very weakly to resting peri- and strongly to all leukocytes upon cellular activation. The epitor anti Human CD18 (Activation Epitope) antibody, clone MEM-14 dissociation of the CD11/CD18 by low pH.	ne MEM-148 recognizes CD11/CD18 heterodimer on pheral blood leukocytes ope recognized by Mouse 8 is also exposed during
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in	100ul.
References	 Drbal, K. <i>et al.</i> (2001) A proteolytically truncated form of free of leukocyte integrins, as a novel marker of activated myeloid of 2. Luissint, A.C. <i>et al.</i> (2008) JAM-L-mediated leukocyte adhess regulated in cis by alpha4beta1 integrin activation. J Cell Biol. 7 3. Feng, C. <i>et al.</i> (2011) Endogenous PMN sialidase activity ex CD11b/CD18 which enhances its binding interaction with ICAM 313-21. Anogianaki, A. <i>et al.</i> (2007) Capsaicin an irritant anti-inflame Regul Homeost Agents. 21: 1-4. Arthos, J. <i>et al.</i> (2008) HIV-1 envelope protein binds to and s alpha4beta7, the gut mucosal homing receptor for peripheral T 301-9. Cairo, C.W. <i>et al.</i> (2006) Cytoskeletal regulation couples LFA to receptor lateral mobility and clustering. Immunity. 25: 297-30 7. Tang, X.Y. <i>et al.</i> (2008) Intercellular adhesion molecule-3 bin beta2 requires both extension and opening of the integrin head 4793-804. Kudlová M. <i>et al.</i> (2007) Expression of an activated form of i in cardiac surgical operations. Acta Medica (Hradec Kralove). 5 9. Solovjov, D.A. <i>et al.</i> (2005) Distinct roles for the alpha and b functions of integrin alphaMbeta2. J Biol Chem. 280: 1336-45. 10. Ehirchiou, D. <i>et al.</i> (2007) Mutation of a conserved asparaging promotes constitutively active integrins alphaLbeta2 and alpha4beta2. 18225-32. 	CD18, the common chain cells. <u>Blood. 98 (5): 1561-6.</u> ion to endothelial cells is <u>183 (6): 1159-73.</u> poses activation epitope on I-1. <u>J Leukoc Biol. 90:</u> natory compound. <u>J Biol</u> signals through integrin cells. <u>Nat Immunol. 9:</u> A-1 conformational changes <u>88.</u> ding of integrin alphaL lpiece. <u>J Immunol. 180:</u> ntegrin beta2 chain CD18 <u>50: 187-93.</u> eta subunits in the ithin the beta2I domain of e in the I-like domain Ibbeta3. <u>J Biol Chem. 282:</u>

	12. Shi, M. <i>et al.</i> (2007) A structural hypothesis for the transitio extended conformations of the leukocyte beta2 integrins. J Biol 13. Dilek, N. <i>et al.</i> (2013) Targeting CD28, CTLA-4 and PD-L1 controls immune synapses and function of human regulatory at <u>PLoS One. 8 (12): e83139.</u>	n between bent and <u>I Chem. 282: 30198-206.</u> costimulation differentially nd conventional T-cells.
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 should be protected from light.	t is photosensitive and
	Avoid repeated freezing and thawing as this may denature the product contain a precipitate we recommend microcentrifugation	antibody. Should this on before use.
Guarantee	12 months from date of despatch	
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2086F 10041	
Regulatory	For research purposes only	

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: FITC (MCA928F)

Recommended Useful Reagents

HUMAN	SEROBLOCK	(BUF070A)
HUMAN	SEROBLOCK	(BUF070B)

North & South	Tel: +1 800 265 7376 Wor	rldwide	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-rad.com	ı	Email: antibody_sales_uk@bio-rad	.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 'M366147:200529'

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