Datasheet: MCA503F BATCH NUMBER 167119

Description:	RAT ANTI HUMAN CD18:FITC
Specificity:	CD18
Other names:	INTEGRIN BETA 2 CHAIN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	YFC118.3
Isotype:	lgG2b
Quantity:	100 TESTS

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
	necessarily exclude its	s use in such procedu mmended that the us	er titrates the antibody	g dilutions are given as
Target Species	Human			
Species Cross	Reacts with: Dog, Gui	nea Pig		
Reactivity	reactivity is derived fro	om testing within our	ions may vary betweer aboratories, peer-revie ors. Please refer to refe	wed publications or
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid			
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	FITC	490	525	
Preparation	Purified IgG prepared supernatant	by affinity chromatog	raphy on Protein G fro	m tissue culture

Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin	
Approx. Protein Concentrations	IgG concentration 0.1mg/ml	
Immunogen	Human neutrophils	
External Database Links	UniProt: P05107 Related reagents Entrez Gene: <u>3689</u> ITGB2 Related reagents	
Synonyms	CD18, MFI7	
RRID	AB_321327	
Fusion Partners	Spleen cells from immunized LOU rats were fused with cells of myeloma cell line	the rat Y3/Ag.1.2.3
Specificity	Rat anti Human CD18 antibody, clone YFC118.3 was clustered International Workshop on Leucocyte Differentiation Antigens (c recognizing the CD18 antigen. CD18 is an integral membrane glycoprotein of ~95 kDa, also kn	code number N221) as nown as the beta 2 chain,
	of the LFA-1 complex. CD18 links non-covalently to either CD11 forming the heteromeric LFA-1 complex. CD18 acts as the receiption important for cell adhesion and cell-cell interactions (<u>Reina & Es</u>	ptor for ICAM-1 and is
	Rat anti Human CD18 antibody, clone YFC118.3 demonstrates leucocytes and is not reactive with platelets.	strong reactivity with
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 2	100ul.
References	 Bindon, C.I. <i>et al.</i> (1988) Importance of antigen specificity for lysis by monoclonal antibodies. <u>Eur J Immunol. 18 (10): 1507-14</u> Chabanne, L. <i>et al.</i> (1994) Screening of 78 monoclonal antibod human leukocyte antigens for cross-reactivity with surface mark lymphocytes. <u>Tissue Antigens. 43 (3): 202-5.</u> Mizuno, T. <i>et al.</i> (1997) cDNA cloning and chromosomal local telencephalin and its distinctive interaction with lymphocyte funce <u>J Biol Chem. 272: 1156-63.</u> Kupatt, C. <i>et al.</i> (1999) Tumor necrosis factor-alpha contribut reperfusion-induced endothelial activation in isolated hearts. <u>Cir</u> 	4. odies directed against ers on canine lization of the human stion-associated antigen-1. es to ischemia- and

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Spring, F.A. *et al.* (2001) Intercellular adhesion molecule-4 binds alpha(4)beta(1) and alpha(V)-family integrins through novel integrin-binding mechanisms. <u>Blood. 98: 458-66.</u>
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	lymphoma treated with a 19-week CHOP protocol. <u>Vet Comp (</u> 23. Sheng, R. <i>et al.</i> (2023) Prognostic significance of CD25 ex noninvasive diagnosis of B-cell lymphoma treated with CHOP (<u>Oncol. 21 (1): 28-35.</u>	pression in dogs with a
Further Reading	1. Marconato, L. (2013) The dog as a possible animal model for lymphoma: a review. <u>Hematol Oncol. 31: 1-9.</u>	or human non-Hodgkin
Storage	This product is shipped at ambient temperature. It is recommen- -20°C on receipt. When thawed, aliquot the sample as needed short term use (up to 4 weeks) and store the remaining aliquot Avoid repeated freezing and thawing as this may denature the frost-free freezers is not recommended. This product is photos protected from light.	. Keep aliquots at 2-8°C for s at -20°C. antibody. Storage in
Guarantee	12 months from date of despatch	
Acknowledgements	The isolation and characterisation of this cell line was carried of supplied by the Medical Research Council, UK.	out with help of funds
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA503F 10041	
Regulatory	For research purposes only	

Related Products

Recommended Negative Controls

RAT IgG2b NEGATIVE CONTROL:FITC (MCA6006F)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South	Tel: +1 800 265 7376	Worldwide	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-ra	d.com	Email: antibody_sales_uk@bio-ra	d.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 'M405557:220916'

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