Datasheet: MCA1283 BATCH NUMBER 148638

Description:	MOUSE ANTI HUMAN CD88		
Specificity:	CD88		
Other names:	C5aR		
Format:	Purified		
Product Type:	Monoclonal Antibody		
Clone:	S5/1		
Isotype:	lgG2a		
Quantity:	0.2 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 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>.

	rad-antibodics.com/proto	0013.				
		Yes	No	Not Determined	Suggested Dilution	
	Flow Cytometry				1/50 - 1/100	
	Immunohistology - Frozen					
	Immunohistology - Paraffin	-				
	ELISA					
	Immunoprecipitation					
	Western Blotting					
	Functional Assays (1)					
	necessarily exclude its us a guide only. It is recomm system using appropriate (1) Bio-Rad recommend	nended the negative	nat the us e/positive	er titrates the antibody controls.	for use in their own	
arget Species	Human					
pecies Cross	Reacts with: Rabbit, Bovi	ne, Ferre	et, Mink			
leactivity	Based on sequence similarity, is expected to react with:Mustelid					
	N.B. Antibody reactivity and working conditions may vary between species. Cross					
	reactivity is derived from		-		•	
	personal communications	-		•	•	
	•		Songinal			
	further information.					

Product Form	Purified IgG - liquid		
Preparation	Purified IgG prepared by affinity chromatography on Protein G		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)		
Carrier Free	Yes		
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml		
Immunogen	C5aR - peptide: Met1 - Asn31.		
External Database Links	UniProt: P21730 Related reagents Entrez Gene: <u>728</u> C5AR1 Related reagents		
Synonyms	C5AR, C5R1		
RRID	AB_321883		
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the X63-Ag8 myeloma cell line.		
Specificity	Mouse anti Human CD88 antibody, clone S5/1 recognizes the C5a receptor (C5aR) CD88, which is predominantly expressed on cells of the myeloid lineage. Clone S5/1 was raised against a synthetic peptide comprising the N-terminal extracellular domain of the C5aR (met1-Asn31) and has recently been shown to recognise the heptameric peptide (D15DKDTLD21). Clone S5/1 has been shown to inhibit the binding of C5a to its receptor.		
Flow Cytometry	Use 10ul of the suggested working dilution to label 5 x 10^5 cells in 100ul.		
References	 Oppermann, M. <i>et al.</i> (1993) Probing the human receptor for C5a anaphylatoxin with site-directed antibodies. Identification of a potential ligand binding site on the NH2-terminal domain. <u>J Immunol. 151: 3785-94.</u> Oppermann, M. <i>et al.</i> (1995) Antibodies from the myeloid panel that react with the C5a receptor and antagonize C5a biological activity. In: Schlossman, S.F. (ed.) Leucocyte Typing V. O.U.P. pp 955-956. Werfel, T. <i>et al.</i> (1996) CD88 antibodies specifically bind to C5aR on dermal CD117+ and CD14+ cells and react with a desmosomal antigen in human skin. <u>J Immunol. 157 (4): 1729-35.</u> 		

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18. Huang, L. *et al.* (2005) Discovery of human antibodies against the C5aR target using phage display technology. <u>J Mol Recognit.18: 327-33.</u>

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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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	18 months from date of despatch.	
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1283 10040	
Regulatory	For research purposes only	
Related Produce Recommended Second	cts econdary Antibodies	
Rabbit Anti Mouse Id	nG (STAR12) RPF	

	Rabbit Anti Mouse IgG (STAR12)	RPE	
	Goat Anti Mouse IgG IgA IgM (STAR87) <u>HRP</u>	
	Goat Anti Mouse IgG (STAR76)	RPE	
	Rabbit Anti Mouse IgG (STAR13)	HRP	
	Goat Anti Mouse IgG (STAR70)	<u>FITC</u>	
	Goat Anti Mouse IgG (H/L) (STAR117)	<u>Alk. Phos.</u> , <u>DyLight®488</u> , <u>DyLight®550</u> ,	
		<u>DyLight®650</u> , <u>DyLight®680</u> , <u>DyLight®800</u> ,	
		FITC, HRP	
	Rabbit Anti Mouse IgG (STAR9)	<u>FITC</u>	
	Goat Anti Mouse IgG (STAR77)	HRP	
	Goat Anti Mouse IgG (Fc) (STAR120)	FITC, HRP	
Recommended Negative Controls			
MOUSE IgG2a NEGATIVE CONTROL (MCA929)			

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-rad.com		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 'M341971:190110'

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