

Datasheet: MCA1898PET

Description:	scription: RAT ANTI MOUSE CD115:RP		
Specificity:	CD115		
Other names:	c-fms		
Format:	RPE		
Product Type:	Monoclonal Antibody		
Clone:	604B5 2E11		
Isotype:	lgG1		
Quantity:	25 TESTS/0.25ml		

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 gener	ral protocol recomme	ndations, please visit <u>w</u>	ww.bio-	
	rad-antibodies.com/protocols.				
		Yes No	Not Determined	Suggested Dilution	
	Flow Cytometry	-		Neat	
	Where this product 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 recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.				
Target Species	Mouse				
Product Form	Purified IgG - lyophilized				
Reconstitution	Reconstitute with 0.25 ml distilled water				
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)		
	RPE 488nm laser	496	578		
Preparation	Purified IgG prepared by ion exchange chromatography from ascites				
Buffer Solution	Phosphate buffered saline				
Preservative Stabilisers	0.09% sodium azide (1% bovine serum albu	0,			
	5% sucrose				

Immunogen	Raw 264 cells.	
External Database Links	UniProt: <u>P09581</u> <u>Related reagents</u> Entrez Gene: <u>12978</u> Csf1r <u>Related reagents</u>	
Synonyms	Csfmr, Fms	
RRID	AB_2085219	
Fusion Partners	Spleen cells from immunised Sprague Dawley rats were fused wir myeloma cell line.	th cells of the P3-653
Specificity	Rat anti Mouse CD115 antibody, clone 604B5 2E11 recognizes surface antigen, also known as the M-CSF receptor and as c-fms amino acid 110kDa single pass type I transmembrane glycoprotei activity and acts as a membrane receptor for M-CSF.	. Murine CD115 is a 958 in with tyrosine kinase
	CD115 is expressed by cells of the monocytic lineage and by prog Mouse CD115 antibody, clone 604B5 2E11 has been shown to inl formation in response to M-CSF in both rats and mice.	-
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 10 The Fc region of monoclonal antibodies may bind to cells express receptors. This may be reduced by using SeroBlock FcR (<u>BUF04</u>	sing low affinity fc
References	 Shadduck, R.K. <i>et al.</i> (1996) Paradoxical stimulation of normal hematopoiesis by monoclonal antibody to CSF-1 receptor. Exp He Gilmore, G.L. & Shadduck, R.K. (1995) Inhibition of day-12 sple by a monoclonal antibody to the murine macrophage/monocyte correceptor. Blood. 85 (10): 2731-4. MacDonald, K.P. <i>et al.</i> (2005) The colony-stimulating factor 1 redendritic cells during differentiation and regulates their expansion. 1399-405. Buono, M. <i>et al.</i> (2010) Sulfatase modifying factor 1-mediated f signaling primes hematopoietic multilineage development. J Exp I 5. Weingärtner, O. <i>et al.</i> (2011) Differential effects on inhibition of by plant stanol and plant sterol esters in apoE-/- mice. Cardiovasc 6. Hayashi, Y. <i>et al.</i> (2010) Lumican is required for neutrophil extra corneal injury and wound healing. J Cell Sci.123: 2987-95. Herold, S. <i>et al.</i> (2008) Lung epithelial apoptosis in influenza vi of macrophage-expressed TNF-related apoptosis-inducing ligand. 3065-77. Pillai, M.M. <i>et al.</i> (2009) Inducible transgenes under the control identifies mouse macrophages with a distribution that differs from 	ematol. 24 (2): 314-7. een colony-forming units olony-stimulating factor eceptor is expressed on . J Immunol. 175 (3): fibroblast growth factor Med. 207 (8): 1647-60. cholesterol absorption c Res. 90: 484-92. avasation following rus pneumonia: the role . J Exp Med. 205: I of the hCD68 promoter

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	macrophage-specific transcripts and can transdifferentiate into macrophages in vitro in			
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	12. van Dommelen, S.L. et al. (2006) Perforin and granzymes have distinct roles in			
	defensive immunity and immunopathology. Immunity. 25 (5): 835-48.			
	13. Scheller, M. et al. (1999) Altered development and cytokine responses of myeloid			
	progenitors in the absence of transcription factor, interferon consensus sequence binding			
	protein. <u>Blood. 94 (11): 3764-71.</u>			
	14. O'Dea, K.P. et al. (2009) Mobilization and margination of bone marrow Gr-1high			
	monocytes during subclinical endotoxemia predisposes the lungs toward acute injury. ${f J}$			
	Immunol. 182 (2): 1155-66.			
	15. Nahrendorf, M. <i>et al.</i> (2007) The healing myocardium sequentially mobilizes two			
	monocyte subsets with divergent and complementary functions. <u>J Exp Med. 204 (12):</u>			
	<u>3037-47.</u>			
	16. Juss, J.K. et al. (2012) Functional redundancy of class I phosphoinositide 3-kinase			
	(PI3K) isoforms in signaling growth factor-mediated human neutrophil survival. <u>PLoS One.</u>			
	<u>7 (9): e45933.</u>			
Storage				
Storage	Prior to reconstitution store at +4°C.			
	After reconstitution store at +4°C. DO NOT FREEZE.			
	This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.			
Guarantee	12 months from date of despatch			
Haalth And Cafata				
Health And Safety	Material Safety Datasheet documentation #20487 available at:			
Health And Safety	Material Safety Datasheet documentation #20487 available at: 20487: <u>https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf</u>			
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Related Products

Recommended Useful Reagents

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

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

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