

Datasheet: MCA2305PET

Description:	RAT ANTI MOUSE CD16/CD32:RPE
Specificity:	CD16/CD32
Other names:	MOUSE SEROBLOCK FcR
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	FCR4G8
Isotype:	lgG2b
Quantity:	25 TESTS

## **Product Details**

**RRID** AB\_1100866

### **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 <a href="https://www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	-			Neat - 1/10

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 recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Mouse					
Product Form	Purified IgG conjuga	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized				
Reconstitution	Reconstitute in 0.25	i ml disilled water				
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)			
	RPE 488nm laser	496	578			
Preparation	Purified IgG prepare	ed by affinity chromatog	raphy on Protein G			
Buffer Solution	Phosphate buffered	saline				
Preservative	0.09% Sodium Azid	e				
Stabilisers	1% Bovine Serui	m Albumin				
	5% Sucrose					

External Database

UniProt:

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Fogr2b, Ly-17  Fusion Partners  Cells from immunised rats were fused with cells of the mouse P3X63-Ag8.653 myeloma cell line.  Specificity  Rat anti Mouse CD16/CD32 antibody, clone FCR4G8 recognizes an epitope expressed by the murine low affinity Fc receptors, Fc gamma III (CD16) and Fc gamma II (CD32). In the mouse on form of CD16 is reported to exist, which is expressed on macrophages, NK cells, granulocytes, myeloid precursors, and subpopulations of T lymphocytes. CD32 is primarily expressed on cells of the myeloid lineage and also on mature B lymphocytes.  Flow Cytometry  Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.  References  1. da Silva, R.G. et al. (2010) Endothelial alpha3beta1-integrin represses pathological angiogenesis and sustains endothelial-VEGF, Am J Pathol. 177 (3): 1534-48.  2. Birjandi, S.Z. et al. (2011) Alterations in marginal zone macrophages and marginal zone B cells in old mice. J Immunol. 186: 3441-51.  3. Jones, D.T. et al. (2013) Endogenous ribosomal protein L29 (RPL29): a newly identified regulato of angiogenesis in mice. Dis Model Mech. 6: 115-24.  4. Kapellos, T.S. et al. (2013) Movel Real Time Imaging Platform to Quantify Macrophage Phagocytosis. Biochem Pharmacol. Jul 27, pii: S0006-2958/16)30176-9. [Epub ahead of print] 5. Lunnon, K. et al. (2011) Systemic inflammation modulates Fc receptor expression on microglia during chronic neurodegeneration. Jimmunol. 186 (12): 7215-24.  6. Teeling, J.L. et al. (2012) Intracerebral immune complex formation induces inflammation in the brain that depends on Fc receptor interaction. Acta Neuropathol. 124 (4): 478-90.  7. Murinello, S. et al. (2014) Fcy receptor upregulation is associated with immune complex inflammation in the mouse retina and early age-related macular degeneration. Invest Ophthalmol Vis Sci. 55 (1): 247-58.  8. Hart, A.D. et al. (2011) Algeritations in marginal zone macrophages and marginal zone B cells in old mice. J Jimmunol. 186 (6): 3441-51.  10. Hart, R. & Greaves, D.R. (2010) Chemerin cont		Entrez Gene:			
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		This product should be stored undiluted. This product is photosensitive and should be protected			
Chalf Life 40 months from data of months from		from light. Should this product contain a precipitate we recommend microcentrifugation before use.			
Shelf Life 12 months from date of reconstitution.	Shelf Life	12 months from date of reconstitution.			

Material Safety Datasheet documentation #10075 available at:

**Health And Safety** 

Information 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf

Worldwide

Regulatory For research purposes only

# **Related Products**

## **Recommended Useful Reagents**

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

North & South Tel: +1 800 265 7376 America

Fax: +1 919 878 3751

Email: antibody\_sales\_us@bio-rad.com

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Europe

Email: antibody\_sales\_uk@bio-rad.com

Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

Email: antibody\_sales\_de@bio-rad.com

'M343139:190110'

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