

# Datasheet: MCA1022R BATCH NUMBER 151501

Description:	MOUSE ANTI RAT CD4 (DOMAINS 3 AND 4)
Specificity:	CD4 (DOMAINS 3 AND 4)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	OX-68
Isotype:	lgG2a
Quantity:	0.25 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-</u>							
	rad-antibodies.com/proto							
		Yes	No	Not Determined	Suggested Dilution			
	Flow Cytometry	-			1/50 - 1/100			
	Immunohistology - Frozen							
	Immunohistology - Paraffin							
	ELISA							
	Immunoprecipitation			•				
	Western Blotting			•				
	Where this antibody has	not been	tested for	r use in a particular teo	chnique this does not			
	necessarily exclude its us			•	•			
	a guide only. It is recomn system using appropriate			•	for use in their own			
Target Species	Rat							
Product Form	Purified IgG - liquid							
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant							
Buffer Solution	Phosphate buffered saline							
Preservative Stabilisers	0.09% Sodium Azide							
Carrier Free	Yes							

Approz. Protein Concentrations       IgG concentration 1.0 mg/ml         External Database Links       UniProt: P05540       Related reagents         Entrez Gene: 24932       Cd4       Related reagents         RRID       A6_567282         Fusion Partners       Spleen cells from immunised BALB/c mice were fused with cells of the NS1 myeloma cell line.         Specificity       Mouse anti Rat CD4 (Domains 3 and 4) monoclonal antibody, clone OX-68 recognizes domains 3 and 4 of rat CD4, a single pass type 1 membrane glycoprotein.         Flow Cytometry       Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.         References       1. Kerr, J.S, and Wright, G.J. (2012) Avidity-based extracellular interaction screening (XEXES) for the scalable detection of low-affinity extracellular interactions. 2. Crosnier, C. <i>et al.</i> (2013) A library of functional recombinant cell-surface and secreted <i>P. faleiperum</i> merczoite proteins. Md Cell Proteomics 12 (12): 3376-86. 3. Crosnier, C. <i>et al.</i> (2016) Binding of <i>Plasmodium faleiperum</i> Merczoite Surface Proteins DBLMSP and DBLMSP2 to Human Immunglobulin M is Conserved among Broady Diverged Sequence Variants. J. Biol Chem. 201 (27): 14285-99.         A. Liu, Y. <i>et al.</i> (2018) Structural Basis for Draxin-Modulated Axon Guidance and Fasciculation by Netrin-1 through DCC. Neuron 97 (b): 1261-1267.e4.         Storage       Store at +4°C or at -20°C if preferred. Storage in fost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thaving as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation befo		
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Regulatory For research purposes only	-	https://www.bio-rad-antibodies.com/SDS/MCA1022R
	Regulatory	For research purposes only

## **Related Products**

#### **Recommended Secondary Antibodies**

Rabbit A	nti Mouse IgG (STAR12)	RP	E						
	Goat Anti Mouse IgG IgA IgM (STAR87) HRP								
	Mouse IgG (STAR76)		RPE						
	Mouse IgG (STAR70)		FITC						
	,		<u>Alk. Phos.</u> , <u>DyLight®488</u> , <u>DyLight®550</u> ,						
		<u>DyLight®650, DyLight®680, DyLight®800,</u>							
			<u>C, HRP</u>		<u> </u>				
Rabbit A	nti Mouse IgG (STAR9)	FIT	FITC						
	i Mouse IgG (STAR77)	HR	HRP						
	t Anti Mouse IgG (Fc) (STAR120) <u>FITC, HRP</u>								
Rabbit A	Rabbit Anti Mouse IgG (STAR13)								
Recommended Negative Controls									
MOUSE IgG2a NEGATIVE CONTROL (MCA1210)									
North & South	Tel: +1 800 265 7376 Worl	dwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21				
America	Fax: +1 919 878 3751	Iwide	Fax: +44 (0)1865 852 700	Europe	Fax: +49 (0) 89 8090 95 21				
	Email: antibody_sales_us@bio-rad.com		Email: antibody_sales_uk@bio	o-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									
	'M364640:200529'								

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