Datasheet: MCA1212 BATCH NUMBER 161762

Description:	RAT IgG2a NEGATIVE CONTROL
Specificity:	RAT IgG2a NEGATIVE CONTROL
Format:	Purified
Product Type:	Negative/Isotype Control
Isotype:	lgG2a
Quantity:	1 ml

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	indicated for further					
	information. For general	lations, please visit	t <u>www.bio-</u>				
	rad-antibodies.com/protocols.						
		Yes	No	Not Determined	Suggested Dilution		
	Flow Cytometry	•			*		
	Immunohistology - Frozen						
	Immunohistology - Paraffin			•			
	ELISA	•					
	Immunoprecipitation			•			
	Western Blotting			•			
	Where this antibody has	not been f	tested for	use in a particular t	technique this does not		
	necessarily exclude its us	se in such	procedure	es. * It is recomme	nded that the user dilutes		
	the antibody for use in the	eir own sy	stem to a	concentration equi	valent to their test		
	antibody.						
Target Species	Negative Control						
Product Form	Purified IgG - liquid						
Preparation	Purified IgG prepared by supernatant	affinity ch	romatogra	aphy on Protein G f	rom tissue culture		
Buffer Solution	Phosphate buffered salin	e					
Preservative	0.09% Sodium Azide						
Stabilisers		umin					
	1% BOVINE SETUIN AD	umm					
Approx. Protein Concentrations	IgG concentration 0.1 mg	j/ml					

Immunogen	Human lymphocytes.				
RRID	AB_322674				
Fusion Partners	Spleen cells from immunized DA rats were fused with cells of the rat Y3/Ag1.2.3. myeloma cell line.				
Specificity	Rat IgG2a Negative Control antibody is suitable for the assessment of the level of non-specific binding of rat IgG2a monoclonal antibodies to mouse cells.				
	Test results indicate Rat IgG2a Negative Control antibody is also suitable for use as a negative control with canine cells.				
	N.B. This antibody recognizes a human cell surface marker, and therefore is not suitable as a negative control in human cells or cell lines.				
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.				
References	 Sumagin, R. <i>et al.</i> (2008) Leukocyte-endothelial cell interactions are linked to vascular permeability via ICAM-1-mediated signaling. <u>Am J Physiol Heart Circ Physiol. 295:</u> <u>H969-H977.</u> Chiu, W.C. <i>et al.</i> (2011) Effects of dietary fish oil supplementation on cellular adhesion molecule expression and tissue myeloperoxidase activity in hypercholesterolemic mice with sepsis. <u>J Nutr Biochem. 20: 254-60.</u> Guilloteau, L.A. <i>et al.</i> (2003) Nramp1 is not a major determinant in the control of <i>Brucella melitensis</i> infection in mice. <u>Infect Immun. 71: 621-8.</u> Stapleton, T.W. <i>et al.</i> (2000) Investigation of the regenerative capacity of an acellular porcine medial meniscus for tissue engineering applications. <u>Tissue Eng Part A. 17: 231-42.</u> Park, S.W. <i>et al.</i> (2012) A1 adenosine receptor allosteric enhancer PD-81723 protects against renal ischemia-reperfusion injury. <u>Am J Physiol Renal Physiol. 303: F721-32.</u> Schmidt, E.P. <i>et al.</i> (2012) The pulmonary endothelial glycocalyx regulates neutrophil adhesion and lung injury during experimental sepsis. <u>Nat Med. 18 (8): 1217-23.</u> McConnell, M.J. <i>et al.</i> (2009) H2-K(b) and H2-D(b) regulate cerebellar long-term depression and limit motor learning. <u>Proc Natl Acad Sci U S A. 106: 6784-9.</u> Rabadi, M. <i>et al.</i> (2019) Peptidyl arginine deiminase-4-deficient mice are protected against kidney and liver injury after renal ischemia and reperfusion. <u>Am J Physiol Renal Physiol. 311 (2): F437-49.</u> Rabadi, M.M. <i>et al.</i> (2019) Peptidyl arginine deiminase-4 exacerbates ischemic AKI by finding NEMO (NFkB Essential Modulator). <u>Am J Physiol Renal Physiol. Apr 03 [Epub ahead of print].</u> Han, S.J. <i>et al.</i> (2020) Renal proximal tubular NEMO plays a critical role in ischemic acute kidney injury. JCl Insight, 5 (19)Sep 17 [Epub ahead of print]. 				
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.				

		e antibody. Storage in			
Guarante	9e				
Health A Informat	nd Safety ion	Material Safety Datas <u>https://www.bio-rad-a</u> 10041	sheet documentation #10 ntibodies.com/SDS/MCA	0041 available a <u>\1212</u>	 .t:
Regulato	ory	For research purpose	es only		
North & South America	Tel: +1 800 265 Fax: +1 919 878 Email: antibody	7376 Worldwide 3 3751 _sales_us@bio-rad.com	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bic	Europe o-rad.com	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
To find a b	atch/lot speci	fic datasheet for this prod	uct, please use our online 'M382916:210513'	search tool at: bi	o-rad-antibodies.com/datasheets
			Printed on 19 Jan 2024		

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