

Datasheet: MCA1212P647

Description:	RAT IgG2a NEGATIVE CONTROL:RPE-Alexa Fluor® 647
Specificity:	RAT IgG2a NEGATIVE CONTROL
Format:	RPE-ALEXA FLUOR® 647
Product Type:	Negative/Isotype Control
Isotype:	IgG2a
Quantity:	100 TESTS/1ml

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 www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			*_*

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 dilutes the antibody for use in their own system to a concentration equivalent to their test antibody.

Target Species	Negative Control		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) Alexa Fluor® 647 - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE-Alexa Fluor®647 488nm laser	496	667
	RPE-Alexa Fluor®647 561nm laser	546	667
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
	5% Sucrose		
Immunogen	Human lymphocytes.		
RRID	AB_567382		
Fusion Partners	Spleen cells from immunized DA rats were fused with cells of the rat Y3/Ag1.2.3. myeloma cell line.		

Specificity	<p>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.</p> <p>Test results indicate Rat IgG2a Negative Control antibody is also suitable for use as a negative control with dog cells.</p> <p>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.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> Sumagin, R. <i>et al.</i> (2008) Leukocyte-endothelial cell interactions are linked to vascular permeability via ICAM-1-mediated signaling. Am J Physiol Heart Circ Physiol. 295: H969-H977. 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. J Nutr Biochem. 20: 254-60. 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. Infect Immun. 71: 621-8. Stapleton, T.W. <i>et al.</i> (2000) Investigation of the regenerative capacity of an acellular porcine medial meniscus for tissue engineering applications. Tissue Eng Part A. 17: 231-42. Park, S.W. <i>et al.</i> (2012) A1 adenosine receptor allosteric enhancer PD-81723 protects against renal ischemia-reperfusion injury. Am J Physiol Renal Physiol. 303: F721-32. Schmidt, E.P. <i>et al.</i> (2012) The pulmonary endothelial glycocalyx regulates neutrophil adhesion and lung injury during experimental sepsis. Nat Med. 18 (8): 1217-23. McConnell, M.J. <i>et al.</i> (2009) H2-K(b) and H2-D(b) regulate cerebellar long-term depression and limit motor learning. Proc Natl Acad Sci U S A. 106: 6784-9. Rabadi MM <i>et al.</i> (2016) Peptidyl arginine deiminase-4 deficient mice are protected against kidney and liver injury after renal ischemia and reperfusion. Am J Physiol Renal Physiol. Jun 22: ajrenal.00254.2016. [Epub ahead of print] Rabadi, M.M. <i>et al.</i> (2019) Peptidyl arginine deiminase-4 exacerbates ischemic AKI by finding NEMO (NFκB Essential Modulator). Am J Physiol Renal Physiol. Apr 03 [Epub ahead of print].
Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Acknowledgements	<p>This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.com</p>
Health And Safety	<p>Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</p>

Information

Regulatory

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