

Datasheet: MCA805GA

BATCH NUMBER 160953

Description:	MOUSE ANTI RABBIT T CELLS AND NEUTROPHILS
Specificity:	THYMOCYTES/NEUTROPHILS/T CELLS/PLATELETS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RPN3/57
Isotype:	IgG1
Quantity:	0.1 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 www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation		▪		
Western Blotting		▪		
Immunofluorescence	▪			

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	Rabbit
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Rabbit Peritoneal Neutrophils.
RRID	AB_10959893
Fusion Partners	Spleen cells from innunized Balb/c mice were fuzed with cells of the 653WMB plamacytoma cell line.
Specificity	Mouse anti Rabbit T Cells and Neutrophils antibody, clone RPN3/57 recognizes a subset of T cells (but not RL-5 cell line) and neutrophils by flow cytometry. Gives good staining of T-dependent areas in lymphoid tissue and also of infiltrating neutrophils by immunohistochemistry.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. De Meyer, I. <i>et al.</i> (2011) Inhibition of inositol monophosphatase by lithium chloride induces selective macrophage apoptosis in atherosclerotic plaques. Br J Pharmacol. 162: 1410-23. 2. Georgiadis, P. <i>et al.</i> (2008) Characterization of acute brain injuries and neurobehavioral profiles in a rabbit model of germinal matrix hemorrhage. Stroke. 39: 3378-88. 3. O'Blenes, S.B. <i>et al.</i> (2000) Gene transfer of the serine elastase inhibitor elafin protects against vein graft degeneration. Circulation. 102 (19 Suppl 3): III289-95. 4. Welt, F.G. <i>et al.</i> (2000) Neutrophil, not macrophage, infiltration precedes neointimal thickening in balloon-injured arteries. Arterioscler Thromb Vasc Biol. 20: 2553-8. 5. Brickson, S. <i>et al.</i> (2003) M1/70 attenuates blood-borne neutrophil oxidants, activation, and myofiber damage following stretch injury. J Appl Physiol. 95: 969-76. 6. Welt, F.G. <i>et al.</i> (2003) Leukocyte recruitment and expression of chemokines following different forms of vascular injury. Vasc Med. 8: 1-7. 7. St Pierre Schneider, B. (2002) CD11b+ neutrophils predominate over RAM11+ macrophages in stretch-injured muscle. Muscle Nerve. 25: 837-44. 8. Ma, X. and O'Brien, E.R. (2004) Antagonism of the alpha4 integrin subunit attenuates the acute inflammatory response to stent implantation yet is insufficient to prevent late intimal formation. J Leukoc Biol. 75: 1016-21. 9. Hickling, K.G. <i>et al.</i> (1998) Extreme hypoventilation reduces ventilator-induced lung injury during ventilation with low positive end-expiratory pressure in saline-lavaged rabbits. Crit Care Med. 26: 1690-7. 10. Bhardwaj, S. <i>et al.</i> (2005) VEGF-A, VEGF-D and VEGF-D(DeltaNDeltaC) induced intimal hyperplasia in carotid arteries. Eur J Clin Invest. 35: 669-76. 11. Herold, J. <i>et al.</i> (2004) Transplantation of monocytes: a novel strategy for in vivo augmentation of collateral vessel growth. Hum Gene Ther. 15: 1-12. 12. Li, J.M. <i>et al.</i> (2008) Interleukin 18 binding protein (IL18-BP) inhibits neointimal hyperplasia after balloon injury in an atherosclerotic rabbit model. J Vasc Surg. 47: 1048-57. 13. Barolet, A.W. <i>et al.</i> (2001) Arterial elastase activity after balloon angioplasty and

- effects of elafin, an elastase inhibitor. [Arterioscler Thromb Vasc Biol. 21: 1269-74.](#)
14. Cheema, A.N. *et al.* (2003) Effects of intravascular cryotherapy on vessel wall repair in a balloon-injured rabbit iliac artery model. [Cardiovasc Res. 59: 222-33.](#)
15. Li, J.M. *et al.* (2004) Recombinant human thrombomodulin inhibits arterial neointimal hyperplasia after balloon injury. [J Vasc Surg. 39: 1074-83.](#)
16. Song, Y. *et al.* (2012) Effects on contralateral muscles after unilateral electrical muscle stimulation and exercise. [PLoS One. 7\(12\):e52230.](#)
17. Song, Y. *et al.* (2013) Bilateral increase in expression and concentration of tachykinin in a unilateral rabbit muscle overuse model that leads to myositis. [BMC Musculoskelet Disord. 14: 134.](#)

Further Reading 1. Baetta, R. and Corsini, A. (2010) Role of polymorphonuclear neutrophils in atherosclerosis: current state and future perspectives. [Atherosclerosis. 210: 1-13.](#)

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA805GA>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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