

## Datasheet: MCA805GA

**BATCH NUMBER 160953**

<b>Description:</b>	MOUSE ANTI RABBIT T CELLS AND NEUTROPHILS
<b>Specificity:</b>	THYMOCYTES/NEUTROPHILS/T CELLS/PLATELETS
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RPN3/57
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

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

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Rabbit Peritoneal Neutrophils.
<b>RRID</b>	AB_10959893
<b>Fusion Partners</b>	Spleen cells from innunized Balb/c mice were fuzed with cells of the 653WMB plamacytoma cell line.
<b>Specificity</b>	<b>Mouse anti Rabbit T Cells and Neutrophils antibody, clone RPN3/57</b> 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.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. De Meyer, I. <i>et al.</i> (2011) Inhibition of inositol monophosphatase by lithium chloride induces selective macrophage apoptosis in atherosclerotic plaques. <a href="#">Br J Pharmacol. 162: 1410-23.</a></li> <li>2. Georgiadis, P. <i>et al.</i> (2008) Characterization of acute brain injuries and neurobehavioral profiles in a rabbit model of germinal matrix hemorrhage. <a href="#">Stroke. 39: 3378-88.</a></li> <li>3. O'Blenes, S.B. <i>et al.</i> (2000) Gene transfer of the serine elastase inhibitor elafin protects against vein graft degeneration. <a href="#">Circulation. 102 (19 Suppl 3): III289-95.</a></li> <li>4. Welt, F.G. <i>et al.</i> (2000) Neutrophil, not macrophage, infiltration precedes neointimal thickening in balloon-injured arteries. <a href="#">Arterioscler Thromb Vasc Biol. 20: 2553-8.</a></li> <li>5. Brickson, S. <i>et al.</i> (2003) M1/70 attenuates blood-borne neutrophil oxidants, activation, and myofiber damage following stretch injury. <a href="#">J Appl Physiol. 95: 969-76.</a></li> <li>6. Welt, F.G. <i>et al.</i> (2003) Leukocyte recruitment and expression of chemokines following different forms of vascular injury. <a href="#">Vasc Med. 8: 1-7.</a></li> <li>7. St Pierre Schneider, B. (2002) CD11b+ neutrophils predominate over RAM11+ macrophages in stretch-injured muscle. <a href="#">Muscle Nerve. 25: 837-44.</a></li> <li>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. <a href="#">J Leukoc Biol. 75: 1016-21.</a></li> <li>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. <a href="#">Crit Care Med. 26: 1690-7.</a></li> <li>10. Bhardwaj, S. <i>et al.</i> (2005) VEGF-A, VEGF-D and VEGF-D(DeltaNDeltaC) induced intimal hyperplasia in carotid arteries. <a href="#">Eur J Clin Invest. 35: 669-76.</a></li> <li>11. Herold, J. <i>et al.</i> (2004) Transplantation of monocytes: a novel strategy for in vivo augmentation of collateral vessel growth. <a href="#">Hum Gene Ther. 15: 1-12.</a></li> <li>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. <a href="#">J Vasc Surg. 47: 1048-57.</a></li> <li>13. Barolet, A.W. <i>et al.</i> (2001) Arterial elastase activity after balloon angioplasty and</li> </ol>

- 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.](#)

<b>Further Reading</b>	1. Baetta, R. and Corsini, A. (2010) Role of polymorphonuclear neutrophils in atherosclerosis: current state and future perspectives. <a href="#">Atherosclerosis. 210: 1-13.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA805GA">https://www.bio-rad-antibodies.com/SDS/MCA805GA</a> 10040
<b>Regulatory</b>	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 \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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