

Datasheet: 103009

**BATCH NUMBER 160335**

<b>Description:</b>	GOAT ANTI MOUSE IgG:RPE
<b>Specificity:</b>	IgG
<b>Format:</b>	RPE
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 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	▪			
ELISA			▪	
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 the appropriate negative/positive controls.

### Target Species

Mouse

### Product Form

Purified Ig conjugated to R. Phycoerythrin (RPE) - liquid

### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578

### Preparation

Purified Ig prepared by affinity chromatography on pooled mouse IgG covalently linked to agarose

### Antiserum Preparation

Antisera to mouse IgG were raised by repeated immunisations of goats with highly purified antigen.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

<0.1% Sodium Azide (NaN<sub>3</sub>)  
Stabilizing agent (sucrose)

<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P01867</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01865</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01863</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01864</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01868</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01869</a>    <a href="#">Related reagents</a></p> <p><a href="#">P03987</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">16016</a>    Ighg2b    <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a    <a href="#">Related reagents</a></p> <p><a href="#">16017</a>    Ighg1    <a href="#">Related reagents</a></p> <p><a href="#">16017</a>    Ighg1    <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a    <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a    <a href="#">Related reagents</a></p> <p><a href="#">380795</a>    AI324046    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Igh-4
<b>RRID</b>	AB_609694
<b>Specificity</b>	<p><b>Goat anti Mouse IgG antibody</b> recognizes mouse IgG, recognising the heavy chain of mouse IgG1, IgG2a, IgG2b and IgG3 as demonstrated by ELISA.</p> <p>Goat anti Mouse IgG antibody has been cross-adsorbed against mouse IgM, mouse IgA and human serum to reduce potential cross-reactivity.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Joimel, U. <i>et al.</i> (2010) Stimulation of angiogenesis resulting from cooperation between macrophages and MDA-MB-231 breast cancer cells: proposed molecular mechanism and effect of tetrathiomolybdate. <a href="#">BMC Cancer. 10: 375.</a></li> <li>2. Childs K <i>et al.</i> (2012) Paramyxovirus V proteins interact with the RNA Helicase LGP2 to inhibit RIG-I-dependent interferon induction. <a href="#">J Virol. 86 (7): 3411-21.</a></li> <li>3. Moalli, F. <i>et al.</i> (2015) Intravital and whole-organ imaging reveals capture of melanoma-derived antigen by lymph node subcapsular macrophages leading to widespread deposition on follicular dendritic cells. <a href="#">Front Immunol. 6: 114.</a></li> <li>4. Ramos-Sevillano, E. <i>et al.</i> (2016) PSGL-1 on Leukocytes is a Critical Component of the Host Immune Response against Invasive Pneumococcal Disease. <a href="#">PLoS Pathog. 12 (3): e1005500.</a></li> <li>5. Abbate, F. <i>et al.</i> (2016) Acid-sensing ion channel immunoreactivities in the cephalic neuromasts of adult zebrafish. <a href="#">Ann Anat. 207: 27-31.</a></li> <li>6. Shea, G.K. <i>et al.</i> (2020) Juxtacrine signalling via Notch and ErbB receptors in the switch to fate commitment of bone marrow-derived Schwann cells. <a href="#">Eur J Neurosci. 52 (5):</a></li> </ol>

[3306-21.](#)

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**Storage** Store at +4°C. DO NOT FREEZE.  
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.

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**Guarantee** Guaranteed until date of expiry. Please see product label.

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**Health And Safety Information** Material Safety Datasheet documentation #10045 available at:  
<https://www.bio-rad-antibodies.com/SDS/103009>  
10045

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**Regulatory** For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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