

## Datasheet: 102009

<b>Description:</b>	GOAT ANTI MOUSE IgM:RPE
<b>Specificity:</b>	IgM
<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	■			

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Mouse						
<b>Product Form</b>	Purified Ig conjugated to R. Phycoerythrin (RPE) - liquid						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
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RPE 488nm laser	496	578					

**Antiserum Preparation** Purified Ig prepared by affinity chromatography on IgM covalently linked to agarose

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.1% Sodium azide
<b>Stabilisers</b>	Stabilizing agent
<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml
<b>Immunogen</b>	Mouse IgM paraproteins

### External Database Links

#### UniProt:

[P01872](#) [Related reagents](#)  
[P01873](#) [Related reagents](#)

#### Entrez Gene:

[16019](#) Ighm [Related reagents](#)

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<b>Specificity</b>	<p><b>Goat anti mouse IgM antibody</b> recognises the heavy chain of mouse IgM as demonstrated by ELISA and flow cytometry. Minimal cross reactivity is observed with human immunoglobulins.</p> <p>Goat anti mouse IgM antibody has been cross absorbed against Mouse IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub> and IgA, pooled human sera and purified human paraproteins.</p>
<b>References</b>	<ol style="list-style-type: none"><li>1. Kerr, K. <i>et al.</i> (2010) Inflammatory cytokine responses in a pregnant mouse model of <i>Chlamydomphila abortus</i> infection. <a href="#">Vet Microbiol. 144 (3-4): 392-8.</a></li><li>2. Ferrian, S. <i>et al.</i> (2012) Effect of high temperature on blood lymphocyte populations in two different genetic rabbit lines. <a href="#">Proceedings 10 th World Rabbit Congress 1169-73</a></li><li>3. Kamat, M.M. <i>et al.</i> (2016) Changes in Myeloid Lineage Cells in the Uterus and Peripheral Blood of Dairy Heifers During Early Pregnancy. <a href="#">Biol Reprod. 95 (3): 68.</a></li><li>4. Monzo, H.J. <i>et al.</i> (2017) Insulin promotes cell migration by regulating PSA-NCAM. <a href="#">Exp Cell Res. 355 (1): 26-39.</a></li><li>5. Desancé, M. <i>et al.</i> (2018) Chondrogenic Differentiation of Defined Equine Mesenchymal Stem Cells Derived from Umbilical Cord Blood for Use in Cartilage Repair Therapy. <a href="#">Int J Mol Sci. 19 (2)Feb 10 [Epub ahead of print].</a></li></ol>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10331 available at: 10331: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10331.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10331.pdf</a>
<b>Regulatory</b>	For research purposes only

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**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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