![Bio-Rad logo]

Datasheet: 102009

BATCH NUMBER 164394

Description:	GOAT ANTI MOUSE IgM:RPE
Specificity:	IgM
Format:	RPE
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

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

Antiserum Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

<0.1% Sodium Azide (NaN_3)
Stabilizing agent (sucrose)

Approx. Protein Concentrations

Ig concentration 0.5 mg/ml

Immunogen

Mouse IgM paraproteins

External Database Links	**UniProt:**
	[P01872](#) [Related reagents](#)
	[P01873](#) [Related reagents](#)
	Entrez Gene:
	[16019](#) Ighm [Related reagents](#)
	[16019](#) Ighm [Related reagents](#)
RRID	AB_616863
Specificity	**Goat anti mouse IgM antibody** recognises the heavy chain of mouse IgM as demonstrated by ELISA and flow cytometry. Minimal cross reactivity is observed with human immunoglobulins.
	Goat anti mouse IgM antibody has been cross absorbed against Mouse IgG_1, IgG_{2a}, IgG_{2b}, IgG_3 and IgA, pooled human sera and purified human paraproteins.
References	1. Kerr, K. *et al.* (2010) Inflammatory cytokine responses in a pregnant mouse model of *Chlamydophila abortus* infection. [Vet Microbiol. 144 (3-4): 392-8.](#)
	2. Kamat, M.M. *et al.* (2016) Changes in Myeloid Lineage Cells in the Uterus and Peripheral Blood of Dairy Heifers During Early Pregnancy. [Biol Reprod. 95 (3): 68.](#)
	3. Monzo, H.J. *et al.* (2017) Insulin promotes cell migration by regulating PSA-NCAM. [Exp Cell Res. 355 (1): 26-39.](#)
	4. Desancé, M. *et al.* (2018) Chondrogenic Differentiation of Defined Equine Mesenchymal Stem Cells Derived from Umbilical Cord Blood for Use in Cartilage Repair Therapy. [Int J Mol Sci. 19 (2)Feb 10 [Epub ahead of print].](#)
	5. Penadés, M. *et al.* (2018) Long-term implications of feed energy source in different genetic types of reproductive rabbit females. II. Immunologic status. [Animal. 12 (9): 1877-85.](#)
	6. Penadés, M. *et al.* (2019) Early deviations in performance, metabolic and immunological indicators affect stayability in rabbit females. [Animal. : 1-10.](#)
Storage	Store at +4°C. DO NOT FREEZE.
	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.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10045 available at: https://www.bio-rad-antibodies.com/SDS/102009
	10045
Regulatory	For research purposes only

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