Datasheet: 102002

BATCH NUMBER 158297

Description:	GOAT ANTI MOUSE IgM:FITC
Specificity:	IgM
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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	▪			1/100
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Western Blotting			▪	

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Antiserum Preparation

Antiserum to mouse IgM was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on mouse IgM covalently linked to agarose.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.1% Sodium azide

Approx. Protein Concentrations	Ig concentration 1.0 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_619870
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.
Flow Cytometry	Use 10ul of the suggested working dilution to label $1x10^6$ cells in 100ul.
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. Ferrian, S. *et al.* (2012) Effect of high temperature on blood lymphocyte populations in two different genetic rabbit lines. Proceedings 10 th World Rabbit Congress 1169-73 3. 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. 4. Monzo, H.J. *et al.* (2017) Insulin promotes cell migration by regulating PSA-NCAM. Exp Cell Res. 355 (1): 26-39. 5. 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]. 6. 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. 7. Penadés, M. *et al.* (2019) Early deviations in performance, metabolic and immunological indicators affect stayability in rabbit females. Animal. : 1-10.
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	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/102002 10040
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

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