Datasheet: 103009

Description:	GOAT ANTI MOUSE IgG:RPE
Specificity:	IgG
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	▪			
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_3)
Stabilizing agent (sucrose)

Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
External Database Links	**UniProt:** P01867 Related reagents P01865 Related reagents P01863 Related reagents P01864 Related reagents P01868 Related reagents P01869 Related reagents P03987 Related reagents **Entrez Gene:** 16016 Ighg2b Related reagents 380793 Igh-1a Related reagents 16017 Ighg1 Related reagents 16017 Ighg1 Related reagents 380793 Igh-1a Related reagents 380793 Igh-1a Related reagents 380795 AI324046 Related reagents
Synonyms	Igh-4
RRID	AB_609694
Specificity	**Goat anti Mouse IgG antibody** recognizes mouse IgG, recognising the heavy chain of mouse IgG1, IgG2a, IgG2b and IgG3 as demonstrated by ELISA. Goat anti Mouse IgG antibody has been cross-adsorbed against mouse IgM, mouse IgA and human serum to reduce potential cross-reactivity.
References	1. Joimel, U. *et al.* (2010) Stimulation of angiogenesis resulting from cooperation between macrophages and MDA-MB-231 breast cancer cells: proposed molecular mechanism and effect of tetrathiomolybdate. BMC Cancer. 10: 375. 2. Childs K *et al.* (2012) Paramyxovirus V proteins interact with the RNA Helicase LGP2 to inhibit RIG-I-dependent interferon induction. J Virol. 86 (7): 3411-21. 3. Moalli, F. *et al.* (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. Front Immunol. 6: 114. 4. Ramos-Sevillano, E. *et al.* (2016) PSGL-1 on Leukocytes is a Critical Component of the Host Immune Response against Invasive Pneumococcal Disease. PLoS Pathog. 12 (3): e1005500. 5. Abbate, F. *et al.* (2016) Acid-sensing ion channel immunoreactivities in the cephalic neuromasts of adult zebrafish. Ann Anat. 207: 27-31. 6. Shea, G.K. *et al.* (2020) Juxtacrine signalling via Notch and ErbB receptors in the switch to fate commitment of bone marrow-derived Schwann cells. Eur J Neurosci. 52 (5):

3306-21.
7. Siqueira, R.F. & Fernandes, R.L. (2018) Cryopreservation of lymphocytes for immunological studies in horses Pesquisa Veterinária Brasileira. 38 (11): 2019-22.
8. Miguelena Chamorro, B. *et al.* (2023) Characterization of Canine Peyer's Patches by Multidimensional Analysis: Insights from Immunofluorescence, Flow Cytometry, and Single-Cell RNA Sequencing. Immunohorizons. 7 (11): 788-805.

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.
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/103009 10045
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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