

Datasheet: 5178-2404

BATCH NUMBER 170410

Description:	GOAT ANTI MOUSE IgG (H/L):FITC
Specificity:	IgG (H/L)
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	2 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	▪			1/2K - 1/10K
Immunofluorescence	▪			1/500 - 1/2500

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 the appropriate negative/positive controls.

Target Species	Mouse						
Product Form	Purified Ig conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - lyophilised						
Reconstitution	Use 1.0 ml of DI water. For extended storage, reconstitute with 50% glycerol instead of water and then aliquot contents at -20°C.						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
FITC	490	525					
Preparation	Purified Ig prepared by affinity chromatography						
Buffer Solution	Phosphate buffered saline						
Preservative Stabilisers	10 mg/ml Bovine Serum Albumin and 0.01% sodium azide						
Approx. Protein	IgG concentration 2.0 mg/ml						

Concentrations

Immunogen Native, whole IgG

External Database Links

UniProt:

[P01868](#) [Related reagents](#)
[P01869](#) [Related reagents](#)
[P01843](#) [Related reagents](#)
[P01845](#) [Related reagents](#)
[P01867](#) [Related reagents](#)
[P01865](#) [Related reagents](#)
[P01863](#) [Related reagents](#)
[P01864](#) [Related reagents](#)
[P03987](#) [Related reagents](#)
[P01844](#) [Related reagents](#)
[P01837](#) [Related reagents](#)

Entrez Gene:

[16017](#) Ighg1 [Related reagents](#)
[16017](#) Ighg1 [Related reagents](#)
[16016](#) Ighg2b [Related reagents](#)
[110787](#) Iglc3 [Related reagents](#)
[380793](#) Igh-1a [Related reagents](#)
[433053](#) LOC433053 [Related reagents](#)
[16071](#) Igh-C [Related reagents](#)
[110786](#) Iglc2 [Related reagents](#)
[380793](#) Igh-1a [Related reagents](#)
[380793](#) Igh-1a [Related reagents](#)
[380795](#) AI324046 [Related reagents](#)

Synonyms Igh-4

RRID AB_616780

Specificity **Goat anti Mouse IgG antibody** recognizes the heavy and light chains of mouse IgG. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-fluorescein, anti-goat serum, mouse IgG and mouse serum.

References 1. Olimpio, R.M.C. *et al.* (2018) Cell viability assessed in a reproducible model of human osteoblasts derived from human adipose-derived stem cells. [PLoS One. 13 \(4\): e0194847.](#)

Further Reading 1. The, T.H. & Feltkamp, T.E. (1970) Conjugation of fluorescein isothiocyanate to antibodies. I. Experiments on the conditions of conjugation. [Immunology. 18 \(6\): 865-73.](#)

Storage Prior to reconstitution store at +4°C.

After reconstitution store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/5178-2404>
10041

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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