

## Datasheet: 5178-2404

<b>Description:</b>	GOAT ANTI MOUSE IgG (H/L):FITC
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Mouse		
<b>Product Form</b>	Purified Ig conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - lyophilised		
<b>Reconstitution</b>	Use 1.0 ml of DI water. For extended storage, reconstitute with 50% glycerol instead of water and then aliquot contents at -20°C.		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified Ig prepared by affinity chromatography		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	10 mg/ml Bovine Serum Albumin and 0.01% sodium azide		
<b>Approx. Protein Concentrations</b>	IgG concentration 2.0 mg/ml		
<b>Immunogen</b>	Native, whole IgG		
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01868</a> <a href="#">Related reagents</a>		

[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](#)   Igk-C   [Related reagents](#)  
[110786](#)   Iglc2   [Related reagents](#)  
[380793](#)   Igh-1a   [Related reagents](#)  
[380793](#)   Igh-1a   [Related reagents](#)  
[380795](#)   AI324046   [Related reagents](#)

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**Synonyms**

Igh-4

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**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.

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**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.](#)

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**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.](#)

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**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.

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**Shelf Life**

12 months from date of reconstitution.

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at:  
 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory**

For research purposes only

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