

# Datasheet: STAR132F

**BATCH NUMBER 150330**

<b>Description:</b>	GOAT ANTI MOUSE IgG1:FITC
<b>Specificity:</b>	IgG1
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			1/1000
Immunohistology - Frozen	■			
Immunohistology - Paraffin			■	
Immunofluorescence	■			Neat - 1/10

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 appropriate negative/positive controls.

Target Species	Mouse		
Species Cross Reactivity	Does not react with:Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

**Antiserum Preparation** Antisera to mouse IgG1 were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.1% Sodium Azide (NaN<sub>3</sub>)

## Stabilisers

### Approx. Protein Concentrations

IgG concentration 1.0mg/ml

### Immunogen

Mouse IgG1 paraproteins.

### External Database Links

#### UniProt:

[P01869](#)

[Related reagents](#)

[P01868](#)

[Related reagents](#)

#### Entrez Gene:

[16017](#)

Ighg1

[Related reagents](#)

[16017](#)

Ighg1

[Related reagents](#)

### Synonyms

Igh-4

### RRID

AB\_2124271

### Specificity

**Goat anti Mouse IgG1 antibody** recognizes Mouse IgG1. This antibody has been cross absorbed against mouse IgM, IgG2a, IgG2b, IgG3 and IgA, pooled human sera and purified human paraproteins. Goat anti Mouse IgG1 antibody shows minimal cross-reactivity with human immunoglobulins.

### Flow Cytometry

Use 10ul of the suggested working dilution to label  $10^6$  cells in 100ul.

### References

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2. Zuo, J. *et al.* (2011) The Epstein-Barr virus-encoded BILF1 protein modulates immune recognition of endogenously processed antigen by targeting MHC class I molecules trafficking on both the exocytic and endocytic pathways. [J Virol. 85: 1604-14.](#)
3. Knipping, K. *et al.* (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. [Virol J. 8: 109.](#)
4. Young, D. *et al.* (2012) Soy-derived di- and tripeptides alleviate colon and ileum inflammation in pigs with dextran sodium sulfate-induced colitis. [J Nutr. 142 \(2\): 363-8.](#)
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7. 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. Aug 10. pii: biolreprod.116.141069. \[Epub ahead of print\]](#)
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10. Zhao, Z. *et al.* (2015) Multiple B-cell epitope vaccine induces a Staphylococcus enterotoxin B-specific IgG1 protective response against MRSA infection. [Sci Rep. 5: 12371.](#)
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12. Gutierrez, B. *et al.* (2020) Oleanolic acid ameliorates intestinal alterations associated with EAE [Journal of Neuroinflammation. 17 \(1\) \[Epub ahead of print\].](#)
13. Apóstolo, N. *et al.* (2020) Synapse type-specific proteomic dissection identifies IgSF8 as a hippocampal CA3 microcircuit organizer. [Nat Commun. 11 \(1\): 5171.](#)
14. Zhuang, X. *et al.* (2020) CAR T cells targeting tumor endothelial marker CLEC14A inhibit tumor growth. [JCI Insight. 5 \(19\) Oct 02 \[Epub ahead of print\].](#)
15. Sparks, A.M. *et al.* (2018) Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. [Am Nat. 192 \(6\): 745-760.](#)

Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR132F10040">https://www.bio-rad-antibodies.com/SDS/STAR132F10040</a></p>
Regulatory	For research purposes only

North & South America	<p>Tel: +1 800 265 7376</p> <p>Fax: +1 919 878 3751</p> <p>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a></p>	Worldwide	<p>Tel: +44 (0)1865 852 700</p> <p>Fax: +44 (0)1865 852 739</p> <p>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a></p>	Europe	<p>Tel: +49 (0) 89 8090 95 21</p> <p>Fax: +49 (0) 89 8090 95 50</p> <p>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a></p>
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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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