

## Datasheet: STAR132

**BATCH NUMBER 147278**

<b>Description:</b>	GOAT ANTI MOUSE IgG1
<b>Specificity:</b>	IgG1
<b>Format:</b>	Purified
<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			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

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 - liquid

#### 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

Borate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Mouse IgG1 paraproteins.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P01869</a>      <a href="#">Related reagents</a></p> <p><a href="#">P01868</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">16017</a> Ig hg1    <a href="#">Related reagents</a></p> <p><a href="#">16017</a> Ig hg1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Igh-4
<b>RRID</b>	AB_1102653
<b>Specificity</b>	<b>Goat anti Mouse IgG1 antibody</b> 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.
<b>References</b>	<ol style="list-style-type: none"> <li>Croft, N.P. <i>et al.</i> (2009) Stage-specific inhibition of MHC class I presentation by the Epstein-Barr virus BNLF2a protein during virus lytic cycle. <a href="#">PLoS Pathog. 5(6): e1000490.</a></li> <li>Zuo, J. <i>et al.</i> (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. <a href="#">J Virol. 85: 1604-14.</a></li> <li>Knipping, K. <i>et al.</i> (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. <a href="#">Virol J. 8: 109.</a></li> <li>Young, D. <i>et al.</i> (2012) Soy-derived di- and tripeptides alleviate colon and ileum inflammation in pigs with dextran sodium sulfate-induced colitis. <a href="#">J Nutr. 142 (2): 363-8.</a></li> <li>Bagai, U. and Pawar, A. (2013) A blood stage fraction of <i>Plasmodium berghei</i> induces protective and long lasting immune response in BALB/c mice. <a href="#">Parasitol Int. 62: 329-36.</a></li> <li>Anda, S. <i>et al.</i> (2014) Cell-cycle analyses using thymidine analogues in fission yeast. <a href="#">PLoS One. 9 (2): e88629.</a></li> <li>Kamat, M.M. <i>et al.</i> (2016) Changes in Myeloid Lineage Cells in the Uterus and Peripheral Blood of Dairy Heifers During Early Pregnancy. <a href="#">Biol Reprod. Aug 10. pii: biolreprod.116.141069. [Epub ahead of print]</a></li> <li>Ramanathan, R. <i>et al.</i> (2015) Transplantation of human stem cell-derived hepatocytes in an animal model of acute liver failure. <a href="#">Surgery. 158 (2): 349-59.</a></li> <li>Hwang, S.R. <i>et al.</i> (2015) Altered expression levels of neurodevelopmental proteins in fetal brains of BTBR T+tf/J mice with autism-like behavioral characteristics. <a href="#">J Toxicol Environ Health A. 78 (8): 516-23.</a></li> <li>Zhao, Z. <i>et al.</i> (2015) Multiple B-cell epitope vaccine induces a Staphylococcus enterotoxin B-specific IgG1 protective response against MRSA infection. <a href="#">Sci Rep. 5: 12371.</a></li> <li>Gutiérrez-Miranda, B. <i>et al.</i> (2020) Oleacein Attenuates the Pathogenesis of</li> </ol>

Experimental Autoimmune Encephalomyelitis through Both Antioxidant and Anti-Inflammatory Effects. [Antioxidants \(Basel\). 9 \(11\)Nov 21 \[Epub ahead of print\]](#).  
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](#).

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10077 available at: <https://www.bio-rad-antibodies.com/SDS/STAR13210077>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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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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