

## Datasheet: STAR133

**BATCH NUMBER 169275**

<b>Description:</b>	GOAT ANTI MOUSE IgG2a
<b>Specificity:</b>	IgG2a
<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 IgG2a 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

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

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	IgG2a paraproteins from BALB/c mice
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P01865</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01863</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01864</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">380793</a>    Igh-1a    <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a    <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_1102658
<b>Specificity</b>	<b>Goat anti Mouse IgG2a antibody</b> recognizes Mouse IgG2a. This antibody has been cross absorbed against mouse IgM, IgG1, IgG2b, IgG3 and IgA, pooled human sera and purified human paraproteins. Goat anti Mouse IgG2a antibody shows minimal cross-reactivity with human immunoglobulins.
<b>References</b>	<ol style="list-style-type: none"> <li>Knipping, K. <i>et al.</i> (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. <a href="#">Virologia J. 8: 109.</a></li> <li>Bagai, U. &amp; 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 (3): 329-36.</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 <i>Staphylococcus</i> enterotoxin B-specific IgG1 protective response against MRSA infection. <a href="#">Sci Rep. 5: 12371.</a></li> <li>Minaei, S. <i>et al.</i> (2018) Propranolol efficacy as a novel adjuvant for immunization against <i>Toxoplasma gondii</i>. tachyzoites. <a href="#">Exp Parasitol. 194: 60-66.</a></li> <li>Kushwaha, V. <i>et al.</i> (2019) Troponin 1 of human filarial parasite <i>Brugia malayi</i>.: cDNA cloning, expression, purification, and its immunoprophylactic potential. <a href="#">Parasitol Res. 118 (6): 1849-63.</a></li> <li>Nedumpun, T. <i>et al.</i> (2019) Negative Immunomodulatory Effects of Type 2 Porcine Reproductive and Respiratory Syndrome Virus-Induced Interleukin-1 Receptor Antagonist on Porcine Innate and Adaptive Immune Functions. <a href="#">Front Immunol. 10: 579.</a></li> <li>Gatkowska, J. <i>et al.</i> (2019) The Impact of the Antigenic Composition of Chimeric Proteins on Their Immunoprotective Activity against Chronic Toxoplasmosis in Mice. <a href="#">Vaccines (Basel). 7(4):154.</a></li> <li>Mola, S. <i>et al.</i> (2020) A transcriptome-based approach to identify functional modules within and across primary human immune cells. <a href="#">PLoS One. 15 (5): e0233543.</a></li> <li>Han, H. <i>et al.</i> (2021) Metal arsenic mediated enhancement of type-2 immunity in brains with altered locomotive activities in mice with autism-like behavioral characteristics</li> </ol>

[Toxicological Research. 38 \(1\): 27-33.](#)

11. Sessevmez, M. *et al.* (2023) Induction of humoral and cell-mediated immunity in mice by chitosan-curdlan composite nanoparticles administered intranasally and subcutaneously [J Drug Deliv Sci Technol. 86: 104704.](#)

12. Bauer, L. *et al.* (2023) The pro-inflammatory response to influenza A virus infection is fueled by endothelial cells. [Life Sci Alliance. 6 \(7\): e202201837.](#)

13. Faber, E. *et al.* (2024) Identification of T cell and linear B cell epitopes on African horse sickness virus serotype 4 proteins VP1-1, VP2, VP4, VP7 and NS3. [Vaccine. 42 \(2\): 136-45.](#)

14. Kusma, S. *et al.* (2024) Oral subacute polypropylene microplastics administration effect on potential immunotoxicity in ICR mice. [J Toxicol Environ Health A. : 1-10 \[Epub ahead of print\].](#)

15. Wu, Y. *et al.* (2020) Sterilizing immunity against SARS-CoV-2 in hamsters conferred by a novel recombinant subunit vaccine [bioRxiv: 20 Dec. \[Epub ahead of print\].](#)

16. Mohamed, K.S. & Ali, S.A. (2024) The Effect of *Leishmania mexicana* growth phase on MHC class I down regulation [Scientific Journal for Faculty of Science-Sirte University, 4\(2\), 9–14.](#)

17. Amaral, R. *et al.* (2025) Chitosan Nanoparticles for Enhanced Immune Response and Delivery of Multi-Epitope *Helicobacter pylori* Vaccines in a BALB/c Mouse Model. [Pharmaceutics. 17 \(1\): 132.](#)

---

**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

---

**Guarantee**

12 months from date of despatch

---

**Health And Safety Information**

Material Safety Datasheet documentation #10077 available at: <https://www.bio-rad-antibodies.com/SDS/STAR133>  
10077

---

**Regulatory**

For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M428683:240301'

Printed on 30 Jan 2025

