

Datasheet: STAR133

BATCH NUMBER 169275

Description:	GOAT ANTI MOUSE IgG2a
Specificity:	IgG2a
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 (NaN₃)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	IgG2a paraproteins from BALB/c mice
External Database Links	<p>UniProt:</p> <p>P01865 Related reagents</p> <p>P01863 Related reagents</p> <p>P01864 Related reagents</p> <p>Entrez Gene:</p> <p>380793 Igh-1a Related reagents</p> <p>380793 Igh-1a Related reagents</p> <p>380793 Igh-1a Related reagents</p>
RRID	AB_1102658
Specificity	Goat anti Mouse IgG2a antibody 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.
References	<ol style="list-style-type: none"> Knipping, K. <i>et al.</i> (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. Virologia J. 8: 109. Bagai, U. & Pawar, A. (2013) A blood stage fraction of <i>Plasmodium berghei</i>. induces protective and long lasting immune response in BALB/c mice. Parasitol Int. 62 (3): 329-36. 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. J Toxicol Environ Health A. 78 (8): 516-23. 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. Sci Rep. 5: 12371. Minaei, S. <i>et al.</i> (2018) Propranolol efficacy as a novel adjuvant for immunization against <i>Toxoplasma gondii</i>. tachyzoites. Exp Parasitol. 194: 60-66. 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. Parasitol Res. 118 (6): 1849-63. 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. Front Immunol. 10: 579. 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. Vaccines (Basel). 7(4):154. Mola, S. <i>et al.</i> (2020) A transcriptome-based approach to identify functional modules within and across primary human immune cells. PLoS One. 15 (5): e0233543. 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

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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. \[Epub ahead of print\].](#)

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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/STAR13310077>

Regulatory

For research purposes only

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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