

Datasheet: STAR132PE

BATCH NUMBER 162641

Description:	GOAT ANTI MOUSE IgG1:RPE
Specificity:	IgG1
Format:	RPE
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 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	▪			1/500

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 R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

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 Stabilisers	<0.1% Sodium Azide (NaN ₃) Stabilizing agent (sucrose)
Approx. Protein	IgG concentration 0.5 mg/ml

Concentrations

Immunogen	Mouse IgG1 paraproteins.
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External Database Links

UniProt:

[P01869](#) [Related reagents](#)

[P01868](#) [Related reagents](#)

Entrez Gene:

[16017](#) Ighg1 [Related reagents](#)

[16017](#) Ighg1 [Related reagents](#)

Synonyms	Igh-4
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RRID	AB_1102649
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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.
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
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References

1. Croft, N.P. *et al.* (2009) Stage-specific inhibition of MHC class I presentation by the Epstein-Barr virus BNLF2a protein during virus lytic cycle. [PLoS Pathog. 5\(6\): e1000490.](#)
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. [Virology 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.](#)
5. Bagai, U. and Pawar, A. (2013) A blood stage fraction of *Plasmodium berghei* induces protective and long lasting immune response in BALB/c mice. [Parasitol Int. 62: 329-36.](#)
6. Anda, S. *et al.* (2014) Cell-cycle analyses using thymidine analogues in fission yeast. [PLoS One. 9 \(2\): e88629.](#)
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. 95 \(3\): 68.](#)
8. Ramanathan, R. *et al.* (2015) Transplantation of human stem cell-derived hepatocytes in an animal model of acute liver failure. [Surgery. 158 \(2\): 349-59.](#)
9. Hwang, S.R. *et al.* (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.](#)
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.](#)
11. Gutiérrez-Miranda, B. *et al.* (2020) Oleacein Attenuates the Pathogenesis of

Experimental Autoimmune Encephalomyelitis through Both Antioxidant and Anti-Inflammatory Effects. [Antioxidants \(Basel\). 9 \(11\): 1161.](#)

12. Gutierrez, B. *et al.* (2020) Oleanolic acid ameliorates intestinal alterations associated with EAE. [J Neuroinflammation. 17 \(1\): 363.](#)

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 \(19\): e138808.](#)

15. Sparks, A.M. *et al.* (2018) Natural Selection on Antihelminth Antibodies in a Wild Mammal Population. [Am Nat. 192 \(6\): 745-760.](#)

16. Kushwaha, V. *et al.* (2019) Troponin 1 of human filarial parasite *Brugia malayi*: cDNA cloning, expression, purification, and its immunoprophylactic potential. [Parasitol Res. 118 \(6\): 1849-63.](#)

17. Kim, Y.H. *et al.* (2019) Effects of ruminal pH on gene expression in the rumen epithelium, peripheral blood mononuclear cell subpopulations, and blood metabolites from Holstein calves during weaning transition. [J Vet Med Sci. 81 \(6\): 808-816.](#)

18. Jimbo, S. *et al.* (2019) Natural and inducible regulatory B cells are widely distributed in ovine lymphoid tissues. [Vet Immunol Immunopathol. 211: 44-48.](#)

19. Sparks, A.M. *et al.* (2019) The genetic architecture of helminth-specific immune responses in a wild population of Soay sheep (*Ovis aries*). [PLoS Genet. 15 \(11\): e1008461.](#)

20. Nedumpun, T. *et al.* (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.](#)

21. Verma, R. *et al.* (2018) *Leishmania donovani*. molecules recognized by sera of filaria infected host facilitate filarial infection. [Parasitol Res. 117 \(9\): 2901-12.](#)

22. Gatkowska, J. *et al.* (2019) The Impact of the Antigenic Composition of Chimeric Proteins on Their Immunoprotective Activity against Chronic Toxoplasmosis in Mice. [Vaccines \(Basel\). 7\(4\):154.](#)

23. Han, H.J. *et al.* (2022) Metal arsenic mediated enhancement of type-2 immunity in brains with altered locomotive activities in mice with autism-like behavioral characteristics. [Toxicol Res. 38 \(1\): 27-33.](#)

24. Anda, S. *et al.* (2021) Cosegregation of asymmetric features during cell division. [Open Biol. 11 \(8\): 210116.](#)

25. Minaei, S. *et al.* (2018) Propranolol efficacy as a novel adjuvant for immunization against *Toxoplasma gondii*. tachyzoites. [Exp Parasitol. 194: 60-66.](#)

Storage	Store at +4°C.
	DO NOT FREEZE
	This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	6 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10045 available at:

Information <https://www.bio-rad-antibodies.com/SDS/STAR132PE>
10045

Regulatory For research purposes only

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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)
'M387584:210629'

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