Datasheet: STAR132A

Description:	GOAT ANTI MOUSE IgG1:Alk. Phos.
Specificity:	IgG1
Format:	Alk. Phos.
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin	▪			
ELISA	▪			1/2000 - 1/4000
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 conjugated to Alkaline Phosphatase - liquid

Antiserum Preparation

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

Buffer Solution

50mM TRIS
1mM $MgCl_2$

Preservative Stabilisers

0.1%Sodium Azide (NaN_3)
50% Glycerol

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
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.
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. 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. 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. Aug 10. pii: biolreprod.116.141069. [Epub ahead of print] 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.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10322 available at: 10322: https://www.bio-rad-antibodies.com/uploads/MSDS/10322.pdf
Regulatory	For research purposes only

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