

Datasheet: STAR13B

BATCH NUMBER 158131

Description:	RABBIT F(ab') ₂ ANTI MOUSE IgG:HRP (Human Adsorbed)
Specificity:	IgG
Format:	HRP
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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
Immunohistology - Frozen	▪			1/50
Immunohistology - Paraffin	▪			1/50
Immunohistology - Resin	▪			1/50
ELISA	▪			1/500 - 1/1000
Western Blotting	▪			1/2000 - 1/5000

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

Reacts with: Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Preparation

Purified IgG fragments were prepared by affinity chromatography of serum.

F(ab)₂ fragments were prepared by pepsin digestion, followed by gel filtration to remove any intact IgG or Fc fragments.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified whole mouse immunoglobulin G.
External Database Links	<p>UniProt:</p> <p>P01869 Related reagents</p> <p>P01865 Related reagents</p> <p>P01864 Related reagents</p> <p>P01868 Related reagents</p> <p>P03987 Related reagents</p> <p>P01867 Related reagents</p> <p>P01863 Related reagents</p> <p>Entrez Gene:</p> <p>16017 Ighg1 Related reagents</p> <p>380793 Igh-1a Related reagents</p> <p>16016 Ighg2b Related reagents</p> <p>16017 Ighg1 Related reagents</p> <p>380793 Igh-1a Related reagents</p> <p>380795 AI324046 Related reagents</p> <p>380793 Igh-1a Related reagents</p>
Synonyms	Igh-4
RRID	AB_321921
Specificity	<p>Rabbit anti Mouse IgG antibody recognizes all subclasses of murine IgG. Some cross reactivity with IgM will be expected.</p> <p>Cross reactivity is expected with rat IgG. Cross reactivity with human serum has been minimised by solid phase adsorbtion.</p>
References	<ol style="list-style-type: none"> 1. Buffoni, L. <i>et al.</i> (2012) Humoral immune response in goats immunised with cathepsin L1, peroxiredoxin and Sm14 antigen and experimentally challenged with <i>Fasciola hepatica</i>. Vet Parasitol. 185: 315-21. 2. Emara, M. <i>et al.</i> (2012) Retagging identifies dendritic cell-specific intercellular adhesion molecule-3 (ICAM3)-grabbing non-integrin (DC-SIGN) protein as a novel receptor for a major allergen from house dust mite. J Biol Chem. 287: 5756-63. 3. Johnson, A.E. <i>et al.</i> (2009) AZD2184: a radioligand for sensitive detection of beta-amyloid deposits. J Neurochem. 108: 1177-86.

4. Raida, M.K. *et al.* (2011) Association between plasma antibody response and protection in rainbow trout *Oncorhynchus mykiss* immersion vaccinated against *Yersinia ruckeri*. [PLoS One. 6: e18832.](#)
5. Scott, J.L. *et al.* (2006) Leucocyte population changes in the reproductive tract of the ewe in response to insemination. [Reprod Fertil Dev. 18: 627-34.](#)
6. Scott, J.L. *et al.* (2007) Granulocyte-macrophage colony stimulating factor and interleukin-8 in the reproductive tract of ewes following oestrus and mating. [Reprod Fertil Dev. 19: 585-93.](#)
7. Scott, J.L. *et al.* (2009) Spermatozoa and seminal plasma induce a greater inflammatory response in the ovine uterus at oestrus than dioestrus. [Reprod Fertil Dev. 21: 817-26.](#)
8. Siepe, M. *et al.* (2006) Myoblast-seeded biodegradable scaffolds to prevent post-myocardial infarction evolution toward heart failure. [J Thorac Cardiovasc Surg. 132: 124-31.](#)
9. Siepe, M. *et al.* (2007) Construction of skeletal myoblast-based polyurethane scaffolds for myocardial repair. [Artif Organs. 31: 425-33.](#)
10. von Gersdorff Jørgensen, L. *et al.* (2011) Experimental evidence for direct in situ binding of IgM and IgT to early trophonts of *Ichthyophthirius multifilii* (Fouquet) in the gills of rainbow trout, *Oncorhynchus mykiss* (Walbaum). [J Fish Dis. 34: 749-55.](#)
11. Yata, Y. *et al.* (1999) An improved method for the purification of stellate cells from rat liver with dichloromethylene diphosphate (CL2MDP). [Methods Cell Sci. 21: 19-24.](#)
12. Skov, J. *et al.* (2012) Immunomodulatory effects of dietary β -1,3-glucan from *Euglena gracilis* in rainbow trout (*Oncorhynchus mykiss*) immersion vaccinated against *Yersinia ruckeri*. [Fish Shellfish Immunol. 33: 111-20.](#)
13. Chettri, J.K. *et al.* (2013) Comparative evaluation of administration methods for a vaccine protecting rainbow trout against *Yersinia ruckeri* O1 biotype 2 infections. [Vet Immunol Immunopathol. 154: 42-7.](#)
14. Villumsen, K.R. *et al.* (2014) Oral and Anal Vaccination Confers Full Protection against Enteric Redmouth Disease (ERM) in Rainbow Trout. [PLoS One. 9\(4\):e93845.](#)
15. Moradi, B. *et al.* (2016) Construction of a Novel DNA Vaccine Candidate Encoding an HspX-PPE44-EsxV Fusion Antigen of *Mycobacterium tuberculosis*. [Rep Biochem Mol Biol. 4 \(2\): 89-97.](#)
16. Marana, M.H. *et al.* (2017) Positive correlation between *Aeromonas salmonicida* vaccine antigen concentration and protection in vaccinated rainbow trout *Oncorhynchus mykiss* evaluated by a tail fin infection model. [J Fish Dis. 40 \(4\): 507-16.](#)
17. Jaafar RM *et al.* (2015) Effects of adjuvant Montanide™ ISA 763 A VG in rainbow trout injection vaccinated against *Yersinia ruckeri*. [Fish Shellfish Immunol. 47 \(2\): 797-806.](#)
18. Buffoni, L. *et al.* (2020) Identification of protective peptides of *Fasciola hepatica*-derived cathepsin L1 (FhCL1) in vaccinated sheep by a linear B-cell epitope mapping approach. [Parasit Vectors. 13 \(1\): 390.](#)
19. Moradi, B. *et al.* (2020) A new DNA vaccine expressing HspX-PPE44-EsxV fusion antigens of *Mycobacterium tuberculosis* induced strong immune responses. [Iran J Basic Med Sci. 23 \(7\): 909-14.](#)
20. Zafra, R. *et al.* (2021) Efficacy of a multivalent vaccine against *Fasciola hepatica* infection in sheep. [Vet Res. 52 \(1\): 13.](#)

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.

Guarantee	12 months from date of despatch
------------------	---------------------------------

Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/STAR13B 10094
--------------------------------------	--

Regulatory	For research purposes only
-------------------	----------------------------

Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: 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)

'M373675:200928'

Printed on 13 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)