

Datasheet: STAR13B

BATCH NUMBER 163105

| | |
|----------------------|--|
| 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. Yata, Y. <i>et al.</i> (1999) An improved method for the purification of stellate cells from rat liver with dichloromethylene diphosphate (CL2MDP). Methods Cell Sci. 21: 19-24. 2. Scott, J.L. <i>et al.</i> (2006) Leucocyte population changes in the reproductive tract of the ewe in response to insemination. Reprod Fertil Dev. 18: 627-34. 3. Siepe, M. <i>et al.</i> (2006) Myoblast-seeded biodegradable scaffolds to prevent post-myocardial infarction evolution toward heart failure. J Thorac Cardiovasc Surg. 132: 124-31. 4. Scott, J.L. <i>et al.</i> (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.](#)
5. Siepe, M. *et al.* (2007) Construction of skeletal myoblast-based polyurethane scaffolds for myocardial repair. [Artif Organs. 31: 425-33.](#)
 6. Johnson, A.E. *et al.* (2009) AZD2184: a radioligand for sensitive detection of beta-amyloid deposits. [J Neurochem. 108: 1177-86.](#)
 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. 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.](#)
 9. von Gersdorff Jørgensen, L. *et al.* (2011) Experimental evidence for direct in situ binding of IgM and IgT to early trophonts of *Ichthyophthirius multifiliis* (Fouquet) in the gills of rainbow trout, *Oncorhynchus mykiss* (Walbaum). [J Fish Dis. 34: 749-55.](#)
 10. 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.](#)
 11. Buffoni, L. *et al.* (2012) Humoral immune response in goats immunised with cathepsin L1, peroxiredoxin and Sm14 antigen and experimentally challenged with *Fasciola hepatica*. [Vet Parasitol. 185: 315-21.](#)
 12. Emara, M. *et al.* (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.](#)
 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. 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.](#)
 16. 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.](#)
 17. 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.](#)
 18. Pérez-Caballero, R. *et al.* (2018) Expression of free radicals by peritoneal cells of sheep during the early stages of *Fasciola hepatica* infection. [Parasit Vectors. 11 \(1\): 500.](#)
 19. 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.](#)
 20. 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.](#)
 21. Zafra, R. *et al.* (2021) Efficacy of a multivalent vaccine against *Fasciola hepatica* infection in sheep. [Vet Res. 52 \(1\): 13.](#)

22. De Vooght, L. *et al.* (2022) Targeting the tsetse-trypanosome interplay using genetically engineered *Sodalis glossinidius*. [PLoS Pathog. 18 \(3\): e1010376.](#)
23. Jaafar, R.M. *et al.* (2018) Secondary immune response of rainbow trout following repeated immersion vaccination. [J Fish Dis. 41 \(1\): 117-23.](#)
24. Yang, H. *et al.* (2021) Immersion vaccines against *Yersinia ruckeri* infection in rainbow trout: Comparative effects of strain differences. [J Fish Dis. 44 \(12\): 1937-1950.](#)

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 #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)

'M390816:211004'

Printed on 04 Jun 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)