

Datasheet: STAR13B

BATCH NUMBER 155009

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

UniProt:

P01869	Related reagents
P01865	Related reagents
P01864	Related reagents
P01868	Related reagents
P03987	Related reagents
P01867	Related reagents
P01863	Related reagents

Entrez Gene:

16017	Ighg1	Related reagents
380793	Igh-1a	Related reagents
16016	Ighg2b	Related reagents
16017	Ighg1	Related reagents
380793	Igh-1a	Related reagents
380795	AI324046	Related reagents
380793	Igh-1a	Related reagents

Synonyms	Igh-4
RRID	AB_321921

Specificity **Rabbit anti Mouse IgG antibody** recognizes all subclasses of murine IgG. Some cross reactivity with IgM will be expected.

Cross reactivity is expected with rat IgG. Cross reactivity with human serum has been minimised by solid phase adsorption.

References

1. 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.](#)
2. 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.](#)
3. Johnson, A.E. *et al.* (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 multifiliis* (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
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Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/STAR13B 10094
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Regulatory	For research purposes only
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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+ \(BUF054A\)](#)

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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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