Datasheet: STAR11B

BATCH NUMBER 169305

Description:	RABBIT F(ab')2 ANTI MOUSE IgG:Biotin
Specificity:	IgG
Format:	Biotin
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
Flow Cytometry	▪			1/50 - 1/100
Immunohistology - Frozen	▪			1/50 - 1/200
Immunohistology - Paraffin	▪			1/50 - 1/200
ELISA	▪			1/1000 - 1/2000

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

F(ab')2 fragment of IgG conjugated to biotin - liquid

Antiserum Preparation

Antisera to Mouse IgG were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. $F(ab')_2$ fragments were prepared by pepsin digestion of the IgG followed by a gel filtration step to remove the remaining intact IgG or Fc fragments.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	F(ab')2 concentration 1.0mg/ml
Immunogen	Purified mouse IgG.
External Database Links	**UniProt:** P01869 Related reagents P03987 Related reagents P01867 Related reagents P01868 Related reagents P01865 Related reagents P01864 Related reagents P01863 Related reagents **Entrez Gene:** 16017 Ighg1 Related reagents 380795 AI324046 Related reagents 16016 Ighg2b Related reagents 16017 Ighg1 Related reagents 380793 Igh-1a Related reagents 380793 Igh-1a Related reagents 380793 Igh-1a Related reagents
Synonyms	Igh-4
RRID	AB_321919
Specificity	**Biotin conjugated Rabbit F(ab')$_2$ anti Mouse IgG antibody** recognizes all subclasses of mouse IgG. Cross reactivity with rat IgG is expected. Cross reactivity to human serum proteins has been minimised by solid phase adsorbtion.
Flow Cytometry	Use 50ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. Silveira, M.R. *et al.* (2002) Infection with *Strongyloides venezuelensis* induces transient airway eosinophilic inflammation, an increase in immunoglobulin E, and hyperresponsiveness in rats. Infect Immun. 70 (11): 6263-72. 2. Conlon, T.M. *et al.* (2012) Germinal center alloantibody responses are mediated exclusively by indirect-pathway CD4 T follicular helper cells. J Immunol. 188 (6): 2643-52. 3. Harper, I.G. *et al.* (2016) Augmentation of Recipient Adaptive Alloimmunity by Donor Passenger Lymphocytes within the Transplant. Cell Rep. 15 (6): 1214-27. 4. Kushwaha, V. & Capalash, N. (2023) Evaluation of immunomodulatory potential of

	recombinant histidyl-tRNA synthetase (rLdHisRS) protein of *Leishmania donovani* as a vaccine candidate against visceral leishmaniasis. Acta Trop. 241: 106867.
Further Reading	1. Motallebzadeh, R. *et al.* (2012) Blocking lymphotoxin signaling abrogates the development of ectopic lymphoid tissue within cardiac allografts and inhibits effector antibody responses. FASEB J. 26 (1): 51-62.
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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/STAR11B 10040
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

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