

Datasheet: STAR11B

BATCH NUMBER 157711

| | |
|----------------------|--|
| 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 | <p>UniProt:</p> <p>P01869 Related reagents</p> <p>P03987 Related reagents</p> <p>P01867 Related reagents</p> <p>P01868 Related reagents</p> <p>P01865 Related reagents</p> <p>P01864 Related reagents</p> <p>P01863 Related reagents</p> <p>Entrez Gene:</p> <p>16017 Ighg1 Related reagents</p> <p>380795 AI324046 Related reagents</p> <p>16016 Ighg2b Related reagents</p> <p>16017 Ighg1 Related reagents</p> <p>380793 Igh-1a Related reagents</p> <p>380793 Igh-1a Related reagents</p> <p>380793 Igh-1a Related reagents</p> |
| Synonyms | Igh-4 |
| RRID | AB_321919 |
| Specificity | <p>Biotin conjugated Rabbit F(ab')₂ anti Mouse IgG antibody recognizes all subclasses of mouse IgG.</p> <p>Cross reactivity with rat IgG is expected. Cross reactivity to human serum proteins has been minimised by solid phase adsorption.</p> |
| Flow Cytometry | Use 50ul of the suggested working dilution to label 10 ⁶ cells in 100ul. |
| References | <ol style="list-style-type: none"> 1. Silveira, M.R. <i>et al.</i> (2002) Infection with <i>Strongyloides venezuelensis</i> induces transient airway eosinophilic inflammation, an increase in immunoglobulin E, and hyperresponsiveness in rats. Infect Immun. 70 (11): 6263-72. 2. Conlon, T.M. <i>et al.</i> (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. <i>et al.</i> (2016) Augmentation of Recipient Adaptive Alloimmunity by Donor Passenger Lymphocytes within the Transplant. Cell Rep. 15 (6): 1214-27. |

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 Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. 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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/STAR11B>
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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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