

## Datasheet: STAR11B

**BATCH NUMBER 165578**

<b>Description:</b>	RABBIT F(ab') <sub>2</sub> ANTI MOUSE IgG:Biotin
<b>Specificity:</b>	IgG
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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')<sub>2</sub> 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')<sub>2</sub> 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

<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	F(ab') <sub>2</sub> concentration 1.0mg/ml
<b>Immunogen</b>	Purified mouse IgG.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P01869</a>      <a href="#">Related reagents</a></p> <p><a href="#">P03987</a>      <a href="#">Related reagents</a></p> <p><a href="#">P01867</a>      <a href="#">Related reagents</a></p> <p><a href="#">P01868</a>      <a href="#">Related reagents</a></p> <p><a href="#">P01865</a>      <a href="#">Related reagents</a></p> <p><a href="#">P01864</a>      <a href="#">Related reagents</a></p> <p><a href="#">P01863</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">16017</a>    Ighg1      <a href="#">Related reagents</a></p> <p><a href="#">380795</a>    AI324046    <a href="#">Related reagents</a></p> <p><a href="#">16016</a>    Ighg2b      <a href="#">Related reagents</a></p> <p><a href="#">16017</a>    Ighg1      <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a      <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a      <a href="#">Related reagents</a></p> <p><a href="#">380793</a>    Igh-1a      <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Igh-4
<b>RRID</b>	AB_321919
<b>Specificity</b>	<p><b>Biotin conjugated Rabbit F(ab')<sub>2</sub> anti Mouse IgG antibody</b> 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>
<b>Flow Cytometry</b>	Use 50ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>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. <a href="#">Infect Immun. 70 (11): 6263-72.</a></li> <li>2. Conlon, T.M. <i>et al.</i> (2012) Germinal center alloantibody responses are mediated exclusively by indirect-pathway CD4 T follicular helper cells. <a href="#">J Immunol. 188 (6): 2643-52.</a></li> <li>3. Harper, I.G. <i>et al.</i> (2016) Augmentation of Recipient Adaptive Alloimmunity by Donor Passenger Lymphocytes within the Transplant. <a href="#">Cell Rep. 15 (6): 1214-27.</a></li> <li>4. Kushwaha, V. &amp; Capalash, N. (2023) Evaluation of immunomodulatory potential of</li> </ol>

recombinant histidyl-tRNA synthetase (rLdHisRS) protein of *Leishmania donovani* as a vaccine candidate against visceral leishmaniasis. [Acta Trop. 241: 106867.](#)

---

<b>Further Reading</b>	1. Motallebzadeh, R. <i>et al.</i> (2012) Blocking lymphotoxin signaling abrogates the development of ectopic lymphoid tissue within cardiac allografts and inhibits effector antibody responses. <a href="#">FASEB J. 26 (1): 51-62.</a>
------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Storage</b>	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.

---

<b>Guarantee</b>	12 months from date of despatch
------------------	---------------------------------

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR11B10040">https://www.bio-rad-antibodies.com/SDS/STAR11B10040</a>
--------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	------------------	-------------------------------------------------------------------------------------------------------------------------------------------------	---------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

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)  
'M381877:210512'

**Printed on 21 Mar 2024**

---

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