

## Datasheet: STAR21B

**BATCH NUMBER 0615**

<b>Description:</b>	RABBIT F(ab') <sub>2</sub> ANTI RAT IgG:HRP
<b>Specificity:</b>	IgG
<b>Format:</b>	HRP
<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
Immunohistology - Frozen	▪			1/50
Immunohistology - Paraffin	▪			1/50
Immunohistology - Resin	▪			1/50
ELISA	▪			1/500 - 1/1000
Western Blotting			▪	

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

Rat

#### Species Cross Reactivity

Reacts with: Mouse

**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 prepared by affinity chromatography of serum

#### Buffer Solution

Phosphate buffered saline

#### Preservative

HRP stabiliser ([BUF052A](#))

<b>Stabilisers</b>	0.01% Thiomersal
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified rat immunoglobulin G.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P20759</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20761</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20762</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20760</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">299354</a>    Ighg            <a href="#">Related reagents</a></p> <p><a href="#">362795</a>    LOC362795    <a href="#">Related reagents</a></p> <p><a href="#">679045</a>    LOC679045    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_322847
<b>Specificity</b>	<p><b>Horseradish peroxidase conjugated Rabbit F(ab')<sub>2</sub> anti Rat IgG antibody</b> recognizes Rat immunoglobulin G. Sera from rabbits hyperimmunised with highly purified rat IgG was affinity purified on a rat IgG column. Digestion to F(ab')<sub>2</sub> with pepsin was then performed, the resulting fragments were conjugated to horseradish peroxidase using the periodate method.</p> <p>Cross reactivity is observed with mouse IgG but may be blocked by the addition of 10% mouse serum.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Hampson, G. <i>et al.</i> (2010) Validation of an ELISA for the determination of rituximab pharmacokinetics in clinical trials subjects. <a href="#">J Immunol Methods. 360 (1-2): 30-8.</a></li> <li>Modjtahedi, H. <i>et al.</i> (2012) Immunohistochemical discrimination of wild-type EGFR from EGFRvIII in fixed tumour specimens using anti-EGFR mAbs ICR9 and ICR10. <a href="#">Br J Cancer. 106 (5): 883-8.</a></li> <li>Gholami, M. <i>et al.</i> (2015) Selenium effect on ischemia-reperfusion injury of gastrocnemius muscle in adult rats. <a href="#">Biol Trace Elem Res. 164 (2): 205-11.</a></li> <li>Zschemisch NH <i>et al.</i> (2016) Transcription Factor SP2 Enhanced the Expression of Cd14 in Colitis-Susceptible C3H/HeJBir. <a href="#">PLoS One. 11 (5): e0155821.</a></li> <li>Gholami, M.R. <i>et al.</i> (2020) Protective effects of honey, <i>Apis mellifera meda</i>. skorikov, on ischemia-reperfusion induced muscle injury. <a href="#">Int J Morphol., 38 (3): 804-10,</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C. DO NOT FREEZE.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety  
Information**

Material Safety Datasheet documentation #10131 available at:  
<https://www.bio-rad-antibodies.com/SDS/STAR21B>  
10131

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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)

'M369751:200529'

**Printed on 25 Mar 2023**

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