

## Datasheet: STAR21B

**BATCH NUMBER 165235**

<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.

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography of serum
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.01% Thiomersal

## Stabilisers

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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
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<b>Immunogen</b>	Purified rat immunoglobulin G.
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## External Database Links

### UniProt:

<a href="#">P20759</a>	<a href="#">Related reagents</a>
<a href="#">P20761</a>	<a href="#">Related reagents</a>
<a href="#">P20762</a>	<a href="#">Related reagents</a>
<a href="#">P20760</a>	<a href="#">Related reagents</a>

### Entrez Gene:

<a href="#">299354</a>	Ighg	<a href="#">Related reagents</a>
<a href="#">362795</a>	LOC362795	<a href="#">Related reagents</a>
<a href="#">679045</a>	LOC679045	<a href="#">Related reagents</a>

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<b>RRID</b>	AB_322847
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<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>
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Cross reactivity is observed with mouse IgG but may be blocked by the addition of 10% mouse serum.

## References

1. Hampson, G. *et al.* (2010) Validation of an ELISA for the determination of rituximab pharmacokinetics in clinical trials subjects. [J Immunol Methods. 360 \(1-2\): 30-8.](#)
2. Modjtahedi, H. *et al.* (2012) Immunohistochemical discrimination of wild-type EGFR from EGFRvIII in fixed tumour specimens using anti-EGFR mAbs ICR9 and ICR10. [Br J Cancer. 106 \(5\): 883-8.](#)
3. Gholami, M. *et al.* (2015) Selenium effect on ischemia-reperfusion injury of gastrocnemius muscle in adult rats. [Biol Trace Elem Res. 164 \(2\): 205-11.](#)
4. Zschemisch NH *et al.* (2016) Transcription Factor SP2 Enhanced the Expression of Cd14 in Colitis-Susceptible C3H/HeJBir. [PLoS One. 11 \(5\): e0155821.](#)
5. Gholami, M.R. *et al.* (2020) Protective effects of honey, *Apis mellifera meda*. skorikov, on ischemia-reperfusion induced muscle injury. [Int J Morphol., 38 \(3\): 804-10,](#)

## 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.

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10094 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR21B">https://www.bio-rad-antibodies.com/SDS/STAR21B</a> 10094
<b>Regulatory</b>	For research purposes only

## 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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