

## Datasheet: STAR21B

<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>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<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 Stabilisers</b>	HRP stabiliser ( <a href="#">BUF052A</a> ) 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>	<b>UniProt:</b> <a href="#">P20759</a> <a href="#">Related reagents</a>

[P20761](#) [Related reagents](#)

[P20762](#) [Related reagents](#)

[P20760](#) [Related reagents](#)

**Entrez Gene:**

[299354](#) Ighg [Related reagents](#)

[362795](#) LOC362795 [Related reagents](#)

[679045](#) LOC679045 [Related reagents](#)

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**Specificity**

**Horseradish peroxidase conjugated Rabbit F(ab')<sub>2</sub> anti Rat IgG antibody** 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.

Cross reactivity is observed with mouse IgG but may be blocked by the addition of 10% mouse serum.

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**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.](#)

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**Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

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

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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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