

Datasheet: STAR21B

BATCH NUMBER 0615

| | |
|----------------------|---|
| Description: | RABBIT F(ab') ₂ ANTI RAT IgG:HRP |
| Specificity: | IgG |
| Format: | HRP |
| 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 |
|----------------------------|-----|----|----------------|--------------------|
| 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](#))

| | |
|---------------------------------------|--|
| Stabilisers | 0.01% Thiomersal |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Purified rat immunoglobulin G. |
| External Database Links | <p>UniProt:</p> <p>P20759 Related reagents</p> <p>P20761 Related reagents</p> <p>P20762 Related reagents</p> <p>P20760 Related reagents</p> <p>Entrez Gene:</p> <p>299354 Ighg Related reagents</p> <p>362795 LOC362795 Related reagents</p> <p>679045 LOC679045 Related reagents</p> |
| RRID | AB_322847 |
| Specificity | <p>Horseradish peroxidase conjugated Rabbit F(ab')₂ 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')₂ 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> |
| References | <ol style="list-style-type: none"> Hampson, G. <i>et al.</i> (2010) Validation of an ELISA for the determination of rituximab pharmacokinetics in clinical trials subjects. J Immunol Methods. 360 (1-2): 30-8. 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. Br J Cancer. 106 (5): 883-8. Gholami, M. <i>et al.</i> (2015) Selenium effect on ischemia-reperfusion injury of gastrocnemius muscle in adult rats. Biol Trace Elem Res. 164 (2): 205-11. Zschemisch NH <i>et al.</i> (2016) Transcription Factor SP2 Enhanced the Expression of Cd14 in Colitis-Susceptible C3H/HeJBir. PLoS One. 11 (5): e0155821. Gholami, M.R. <i>et al.</i> (2020) Protective effects of honey, <i>Apis mellifera meda</i>. skorikov, on ischemia-reperfusion induced muscle injury. Int J Morphol., 38 (3): 804-10, |
| Storage | <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> |
| Guarantee | 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

Regulatory 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+ \(BUF054A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

 Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

 Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

 Email: antibody_sales_de@bio-rad.com

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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