

## Datasheet: STAR72

**BATCH NUMBER 166372**

|                      |  |
|----------------------|--|
| <b>Description:</b>  | GOAT ANTI RAT IgG:HRP (MOUSE ADSORBED) |
| <b>Specificity:</b>  | IgG                                    |
| <b>Format:</b>       | HRP                                    |
| <b>Product Type:</b> | Polyclonal Antibody                    |
| <b>Isotype:</b>      | Polyclonal IgG                         |
| <b>Quantity:</b>     | 0.5 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 | ■   |    |                |                    |
| ELISA                      | ■   |    |                | 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>Product Form</b>                   | Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid  |
| <b>Antiserum Preparation</b>          | Antisera to rat IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography. |
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | 0.01% Thiomersal  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml   |
| <b>Immunogen</b>                      | Rat IgG   |

**External Database  
Links**

**UniProt:**

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

**Entrez Gene:**

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

**RRID**

AB\_321935

**Specificity**

**Goat anti Rat IgG antibody** recognizes rat IgG. Cross-reactivity with mouse immunoglobulins has been removed by solid phase adsorption.

**References**

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5. Hadzhieva M *et al.* (2016) Relationship between natural and heme-mediated antibody polyreactivity. [Biochem Biophys Res Commun. 472 \(1\): 281-6.](#)
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12. Harcourt, L.J. *et al.* (2005) Interleukin-15 administration improves diaphragm muscle

- pathology and function in dystrophic mdx mice. [Am J Pathol. 166 \(4\): 1131-41.](#)
13. Geoffrion, M. *et al.* (2014) Differential effects of glyoxalase 1 overexpression on diabetic atherosclerosis and renal dysfunction in streptozotocin-treated, apolipoprotein E-deficient mice. [Physiol Rep. 2 \(6\)Jun 11 \[Epub ahead of print\].](#)
14. Elitok, S. *et al.* (2006) Cyclic arginine-glycine-aspartic acid peptide inhibits macrophage infiltration of the kidney and carotid artery lesions in apo-E-deficient mice. [Am J Physiol Renal Physiol. 290 \(1\): F159-66.](#)
15. Pollow, J.D. *et al.* (2019) Menopause and FOXP3<sup>+</sup> Treg cell depletion eliminate female protection against T cell-mediated angiotensin II hypertension. [Am J Physiol Heart Circ Physiol. 317 \(2\): H415-H423.](#)

|                                      |  |
|--------------------------------------|--|
| <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.<br><br>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/STAR72">https://www.bio-rad-antibodies.com/SDS/STAR72</a><br>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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| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>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<br>Fax: +44 (0)1865 852 739<br>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<br>Fax: +49 (0) 89 8090 95 50<br>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)  
'M421350:230706'

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