

## Datasheet: STAR111P

|                      |                       |
|----------------------|-----------------------|
| <b>Description:</b>  | GOAT ANTI RAT IgA:HRP |
| <b>Specificity:</b>  | IgA                   |
| <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   |
|----------------------------|-----|----|----------------|----------------------|
| Flow Cytometry             |     |    | ■              |                      |
| Immunohistology - Frozen   |     |    | ■              |                      |
| Immunohistology - Paraffin |     |    | ■              |                      |
| ELISA                      | ■   |    |                | 1/10,000 - 1/100,000 |
| Immunoprecipitation        |     |    | ■              |                      |
| Western Blotting           | ■   |    |                | 1/2,000 - 1/20,000   |

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 |

**Antiserum Preparation** Antisera to rat IgA were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

|                                       |                             |
|---------------------------------------|-----------------------------|
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative</b>                   | 0.05% Proclin™ 300          |
| <b>Stabilisers</b>                    | 0.2% Bovine Serum Albumin   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml |

**Specificity** **Goat anti Rat IgA antibody** recognizes rat IgA as assessed by immunoelectrophoresis and ELISA.

Goat anti Rat IgA antibody may cross react with IgA from other species.

**References** 1. Liu, Y. *et al.* (2008) The immunohistochemical localization of secretory IgA in the submandibular gland of the Mongolian gerbil [ACMS 4: 22-5](#)

2. Kesik-brodacka, M. *et al.* (2017) Immune response of rats vaccinated orally with various plant-expressed recombinant cysteine proteinase constructs when challenged with *Fasciola hepatica* metacercariae. [PLoS Negl Trop Dis. 11 \(3\): e0005451.](#)

|                                      |  |
|--------------------------------------|--|
| <b>Storage</b>                       | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.   |
| <b>Shelf Life</b>                    | 18 months from date of despatch.   |
| <b>Acknowledgements</b>              | Proclin™ 300 is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.   |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #20391 available at:<br>20391: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20391.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20391.pdf</a> |
| <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+ \(BUF054A\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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**Printed on 01 May 2018**