

## Datasheet: STAR136P

**BATCH NUMBER 168221**

|                      |                          |
|----------------------|--------------------------|
| <b>Description:</b>  | GOAT ANTI MOUSE IgG3:HRP |
| <b>Specificity:</b>  | IgG3                     |
| <b>Format:</b>       | HRP                      |
| <b>Product Type:</b> | Polyclonal Antibody      |
| <b>Isotype:</b>      | Polyclonal IgG           |
| <b>Quantity:</b>     | 1 ml                     |

## 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   | ▪   |    |                |                    |
| Immunohistology - Paraffin | ▪   |    |                |                    |
| ELISA                      | ▪   |    |                | 1/4000 - 1/8000    |
| 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>           | Mouse                                                                                                                                                              |
| <b>Species Cross Reactivity</b> | Does not react with:Human                                                                                                                                          |
| <b>Product Form</b>             | Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid                                                                                                   |
| <b>Antiserum Preparation</b>    | Antisera to mouse IgG3 were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. |
| <b>Buffer Solution</b>          | Phosphate buffered saline                                                                                                                                          |
| <b>Preservative Stabilisers</b> | 50% Glycerol                                                                                                                                                       |
| <b>Immunogen</b>                | Mouse IgG3 paraproteins.                                                                                                                                           |

External Database  
Links

UniProt:

[P03987](#)

[Related reagents](#)

Entrez Gene:

[380795](#)

AI324046

[Related reagents](#)

RRID

AB\_1102670

Specificity

**Goat anti Mouse IgG3 antibody** recognizes Mouse IgG3 and has been cross absorbed against mouse IgM, IgG1, IgG2a, IgG2b and IgA, pooled human sera and purified human paraproteins. Goat anti Mouse IgG3 antibody shows minimal cross-reactivity with human immunoglobulins.

References

1. Knipping, K. *et al.* (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. [Virology J. 8: 109.](#)
2. Donius LR *et al.* (2013) Optimal germinal center B cell activation and T-dependent antibody responses require expression of the mouse complement receptor Cr1. [J Immunol. 191 \(1\): 434-47.](#)
3. Hwang, S.R. *et al.* (2015) Altered expression levels of neurodevelopmental proteins in fetal brains of BTBR T+tf/J mice with autism-like behavioral characteristics. [J Toxicol Environ Health A. 78 \(8\): 516-23.](#)
4. Zhao, Z. *et al.* (2015) Multiple B-cell epitope vaccine induces a *Staphylococcus* enterotoxin B-specific IgG1 protective response against MRSA infection. [Sci Rep. 5: 12371.](#)
5. Thema, N. *et al.* (2019) Identification and characterisation of conserved epitopes of *E. ruminantium* that activate Th1 CD4<sup>+</sup> T cells: Towards the development of a multi-epitope vaccine. [Mol Immunol. 107: 106-114.](#)
6. Kushwaha, V. *et al.* (2019) Troponin 1 of human filarial parasite *Brugia malayi*: cDNA cloning, expression, purification, and its immunoprophylactic potential. [Parasitol Res. 118 \(6\): 1849-1863.](#)
7. Ngoepe, T.A. *et al.* (2023) Th1 and Th2 epitopes of Cowdria polymorphic gene 1 of *Ehrlichia ruminantium*. [Onderstepoort J Vet Res. 90 \(1\): e1-e15.](#)
8. Faber, E. *et al.* (2024) Identification of T cell and linear B cell epitopes on African horse sickness virus serotype 4 proteins VP1-1, VP2, VP4, VP7 and NS3. [Vaccine. 42 \(2\): 136-45.](#)
9. Pretorius, A. *et al.* (2024) Screening for immune biomarkers associated with infection or protection against *Ehrlichia ruminantium* by RNA-sequencing analysis. [Microb Pathog. : 106588.](#)

Storage

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

|                                      |                                                                                                                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10106 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/STAR136P">https://www.bio-rad-antibodies.com/SDS/STAR136P</a><br>10106 |
| <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+ \(BUF054A\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <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)  
'M428698:240301'

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