# Datasheet: STAR136F

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|---|---|
| **Description:** | GOAT ANTI MOUSE IgG3:FITC |
| **Specificity:** | IgG3 |
| **Format:** | FITC |
| **Product Type:** | Polyclonal Antibody |
| **Isotype:** | Polyclonal IgG |
| **Quantity:** | 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.

| | Yes | No | Not Determined | Suggested Dilution |
|---|---|---|---|---|
| Flow Cytometry | ▪ | | | Neat - 1/10 |
| Immunohistology - Frozen | ▪ | | | |
| Immunohistology - Paraffin | | | ▪ | |
| Immunofluorescence | ▪ | | | Neat - 1/10 |

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**

Mouse

**Species Cross Reactivity**

Does not react with:Human

**Product Form**

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Max Ex/Em**

| Fluorophore | Excitation Max (nm) | Emission Max (nm) |
|---|---|---|
| FITC | 490 | 525 |

**Antiserum Preparation**

Antisera to mouse IgG3 were raised by repeated immunisation of goats with purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.1% Sodium Azide ($NaN_3$)

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml

**Immunogen**

Mouse IgG3 paraproteins

| | |
|---|---|
| **External Database Links** | **UniProt:**<br>P03987 Related reagents<br><br>**Entrez Gene:**<br>380795 AI324046 Related reagents |
| **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. |
| **Flow Cytometry** | Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul. |
| **References** | 1. Knipping, K. *et al.* (2011) A gastrointestinal rotavirus infection mouse model for immune modulation studies. Virol J. 8: 109.<br>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.<br>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.<br>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. |
| **Storage** | Store at +4°C or at -20°C if preferred.<br><br>This product should be stored undiluted.<br><br>Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.<br><br>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
| **Shelf Life** | 18 months from date of despatch. |
| **Health And Safety Information** | Material Safety Datasheet documentation available at:<br>Material Safety Datasheet Documentation #10303 available at:<br>https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf |
| **Regulatory** | For research purposes only |


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'M314610:180412'

**Printed on 13 Apr 2018**