Datasheet: STAR136F

BATCH NUMBER 170710

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

0.1% Sodium Azide (NaN_3)

Stabilisers	
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Mouse IgG3 paraproteins.
External Database Links	**UniProt:** P03987 Related reagents **Entrez Gene:** 380795 AI324046 Related reagents
RRID	AB_1102671
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. 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 $CD4^+$ T cells: Towards the development of a multi-epitope vaccine. Mol Immunol. 107: 106-114.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch

Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/STAR136F 10040
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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