

Datasheet: STAR120F

BATCH NUMBER 170344

Description:	GOAT ANTI MOUSE IgG (Fc):FITC
Specificity:	IgG (Fc)
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 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	■			1/50 - 1/500
Immunohistology - Frozen	■			1/50 - 1/500
Immunohistology - Paraffin			■	

Where this product 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		
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 IgG were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	0.2% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
---------------------------------------	-----------------------------

External Database**Links****UniProt:**

P01869	Related reagents
P01865	Related reagents
P03987	Related reagents
P01867	Related reagents
P01864	Related reagents
P01868	Related reagents
P01863	Related reagents

Entrez Gene:

16017	Ighg1	Related reagents
380793	Igh-1a	Related reagents
16016	Ighg2b	Related reagents
16017	Ighg1	Related reagents
380793	Igh-1a	Related reagents
380795	AI324046	Related reagents
380793	Igh-1a	Related reagents

Synonyms

Igh-4

RRID

AB_567027

Specificity

Goat anti mouse IgG (Fc) polyclonal antibody reacts with mouse IgG at an epitope localised to the Fc region as assessed by immunoelectrophoresis and ELISA. Cross reactivity with IgA and IgM is negligible.

Goat anti mouse IgG (Fc) polyclonal antibody may cross react with IgG from other species.

Flow Cytometry

Use 50ul of the suggested working dilution to label 10^6 cells in 100ul.

References

1. Nejsum, P. *et al.* (2009) Population dynamics of *Trichuris suis* in trickle-infected pigs. [Parasitology. 136: 691-7.](#)
2. Yuan, T. *et al.* (2010) Chondrogenic differentiation and immunological properties of mesenchymal stem cells in collagen type I hydrogel. [Biotechnol Prog. 26 \(6\): 1749-58.](#)
3. Wegmann, F. *et al.* (2011) A Novel Strategy for Inducing Enhanced Mucosal HIV-1 Antibody Responses in an Anti-Inflammatory Environment [PLoS One. 6\(1\):e15861.](#)
4. Wegmann F *et al.* (2015) The carbomer-lecithin adjuvant Adjuplex™ has potent immune activating properties and elicits protective adaptive immunity against influenza challenge in mice. [Clin Vaccine Immunol. pii: CVI.00736-14.](#)
5. Liu, Z. *et al.* (2016) Partial protective immunity against toxoplasmosis in mice elicited by recombinant *Toxoplasma gondii* malate dehydrogenase. [Vaccine. 34 \(7\): 989-94.](#)
6. Swaffer, M.P. *et al.* (2016) CDK Substrate Phosphorylation and Ordering the Cell Cycle. [Cell. 167 \(7\): 1750-1761.e16.](#)
7. Trindade, A.B. *et al.* (2017) Mesenchymal-like stem cells in canine ovary show high

differentiation potential. [Cell Prolif. 50\(6\):e12391.](#)

8. Wood, E. *et al.* (2021) Identification of mutants with increased variation in cell size at onset of mitosis in fission yeast. [J Cell Sci. jcs.251769.](#)

9. Li, Y. *et al.* (2022) Low-Temperature Plasma-Activated Medium Inhibited Proliferation and Progression of Lung Cancer by Targeting the PI3K/Akt and MAPK Pathways. [Oxid Med Cell Longev. 2022: 9014501.](#)

10. Wang, Z. *et al.* (2023) Reducing cell intrinsic immunity to mRNA vaccine alters adaptive immune responses in mice. [Mol Ther Nucleic Acids. 34: 102045.](#)

11. Basu, S. *et al.* (2020) The Hydrophobic Patch Directs Cyclin B to Centrosomes to Promote Global CDK Phosphorylation at Mitosis. [Curr Biol. 30 \(5\): 883-892.e4.](#)

12. Scotchman, E. *et al.* (2021) Identification of mutants with increased variation in cell size at onset of mitosis in fission yeast. [J Cell Sci. 134 \(3\)Feb 11 \[Epub ahead of print\].](#)

13. Basu, S. *et al.* (2022) Core control principles of the eukaryotic cell cycle. [Nature. 607 \(7918\): 381-6.](#)

Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/STAR120F10041
--------------------------------------	---

Regulatory	For research purposes only
-------------------	----------------------------

North & South America Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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)

'M428649:240301'

Printed on 05 Jun 2025

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)