Datasheet: STAR70

Description:	GOAT ANTI MOUSE IgG:FITC (RAT ADSORBED)
Specificity:	IgG
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	▪			1/50 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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

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 immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.5 mg/ml

Immunogen

Mouse IgG.

External Database Links

UniProt:
P01869 Related reagents

P01865	Related reagents
P01864	Related reagents
P01868	Related reagents
P03987	Related reagents
P01867	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

Specificity

Goat anti Mouse IgG antibody recognizes mouse IgG. The reagent has been adsorbed to minimise cross-reactivity with rat immunoglobulins and is therefore of particular value in detecting mouse primary antibodies bound to rat tissues.

Goat IgG shows minimal binding to Fc receptors on rat tissue. We recommend diluting this product in buffer containing 10% normal rat serum to remove any residual cross-reactivity.

Flow Cytometry

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

References

1. Voulgaraki, D. *et al.* (2005) Multivalent recombinant proteins for probing functions of leucocyte surface proteins such as the CD200 receptor. Immunology. 115 (3): 337-46.
2. Win, T.S. *et al.* (2009) Donor CD4 T cells contribute to cardiac allograft vasculopathy by providing help for autoantibody production. Circ Heart Fail. 2 (4): 361-9.
3. Motallebzadeh, R. *et al.* (2012) Blocking lymphotoxin signaling abrogates the development of ectopic lymphoid tissue within cardiac allografts and inhibits effector antibody responses. FASEB J. 26 (1): 51-62.
4. Conlon, T.M. *et al.* (2012) Germinal center alloantibody responses are mediated exclusively by indirect-pathway CD4 T follicular helper cells. J Immunol. 188 (6): 2643-52.
5. Fitzgerald, A.M. *et al.* (2012) The effects of transforming growth factor-β2 on the expression of follistatin and activin A in normal and glaucomatous human trabecular meshwork cells and tissues. Invest Ophthalmol Vis Sci. 53 (11): 7358-69.
6. Gibbings, D.J. *et al.* (2007) CD8α is expressed by human monocytes and enhances FcγR-dependent responses. BMC Immunol. 8: 12.
7. Chen, F. *et al.* (2015) Generation of B Cell-Deficient Pigs by Highly Efficient CRISPR/Cas9-Mediated Gene Targeting. J Genet Genomics. 42 (8): 437-44.
8. Strazielle, N. *et al.* (2016) T-Lymphocytes Traffic into the Brain across the Blood-CSF Barrier: Evidence Using a Reconstituted Choroid Plexus Epithelium. PLoS One. 11 (3): e0150945.
9. Naaldijk, Y. *et al.* (2016) Effect of systemic transplantation of bone marrow-derived mesenchymal stem cells on neuropathology markers in APP/PS1 Alzheimer mice. Neuropathol Appl Neurobiol. Feb 26. [Epub ahead of print]
10. Harper, I.G. *et al.* (2016) Augmentation of Recipient Adaptive Alloimmunity by Donor Passenger Lymphocytes within the Transplant. Cell Rep. 15 (6): 1214-27.

Storage	Store at +4ºC or at -20ºC 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

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'M316730:180607'

Printed on 20 Jun 2018