Datasheet: STAR9B

BATCH NUMBER 1701

Description:	RABBIT F(ab')2 ANTI MOUSE IgG:FITC
Specificity:	IgG
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	▪			1/25 - 1/100

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

Reacts with: Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

$F(ab')_2$ fragment of IgG conjugated to Fluorescein Isothiocyanate Isomer I (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 rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. $F(ab')_2$ fragments were prepared by pepsin digestion of the IgG followed by a gel filtration step to remove the remaining intact IgG or Fc fragments.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	$F(ab')_2$ concentration 1.0 mg/ml
Immunogen	Purified mouse IgG.
External Database Links	**UniProt:** P01869 Related reagents P01865 Related reagents P03987 Related reagents P01864 Related reagents P01867 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_321920
Specificity	**FITC conjugated Rabbit $F(ab')_2$ anti Mouse IgG antibody** recognizes all subclasses of mouse IgG. Some cross reactivity with mouse IgM and IgA is expected, as is cross reactivity with rat IgG. Cross reactivity with human serum proteins has been minimised by solid phase adsorption.
Flow Cytometry	Use 50ul of the suggested working dilution to label 10^6 cells in 100ul.
References	1. O-charoenrat, P. *et al.* (2000) Epidermal growth factor-like ligands differentially up-regulate matrix metalloproteinase 9 in head and neck squamous carcinoma cells. Cancer Res. 60 (4): 1121-8. 2. Lamote, I. *et al.* (2004) Influence of 17beta-estradiol, progesterone, and dexamethasone on diapedesis and viability of bovine blood polymorphonuclear leukocytes. J Dairy Sci. 87 (10): 3340-9. 3. Dalli, J. *et al.* (2008) Annexin 1 mediates the rapid anti-inflammatory effects of

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17. Khan, T. *et al.* (2020) Synergistic activity of agents targeting growth factor receptors, CDKs and downstream signaling molecules in a panel of pancreatic cancer cell lines and the identification of antagonistic combinations: Implications for future clinical trials in pancreatic cancer Oncology Reports. 44 (6): 2581-94.
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Storage

Store at +4^{o}C or at -20^{o}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/STAR9B 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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