

Datasheet: STAR8B

Description:	RABBIT F(ab') ₂ ANTI MOUSE IgG
Specificity:	IgG
Format:	Purified
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			■	
Immunohistology - Frozen	■			1/100 - 1/500
Immunohistology - Paraffin	■			1/100 - 1/500
ELISA	■			1/500 - 1/1000
Western Blotting			■	

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.
Product Form	Purified IgG - liquid
Preparation	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 any remaining intact IgG or Fc fragments.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Whole mouse IgG.

**External Database
Links**

UniProt:

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

Rabbit F(ab')₂ anti Mouse IgG antibody recognizes all subclasses of mouse IgG. Cross reactivity with rat IgG is expected. Cross reactivity with human serum proteins has been minimised by solid phase adsorption.

STAR8B is suitable as a bridge in a PAP / APAAP complex. Peroxidase anti-Peroxidase (PAP) complexes are formed by antibodies raised towards Horse Radish Peroxidase (HRP), binding to HRP molecules. Such complexes are used as signal amplification reagents in immunochemical staining techniques. It must be emphasised that the primary antibody must be raised in the same species as the antibodies used to form the PAP complex, so that a secondary "linker" antibody can be used to "bridge" the primary antibody to the PAP complex.

References

1. Seehafer, S.S. *et al.* (2011) Immunosuppression alters disease severity in juvenile Batten disease mice. [J Neuroimmunol. 230 \(1-2\): 169-72.](#)
2. Motalebzadeh, 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.](#)
3. Niven, J. *et al.* (2015) S100B Up-Regulates Macrophage Production of IL1 β and CCL22 and Influences Severity of Retinal Inflammation. [PLoS One. 10 \(7\): e0132688.](#)

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. 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

Material Safety Datasheet documentation #10040 available at:

Information 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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