

## Datasheet: STAR8D488GA

<b>Description:</b>	RABBIT F(ab') <sub>2</sub> ANTI MOUSE IgG:DyLight®488
<b>Specificity:</b>	IgG
<b>Format:</b>	DyLight®488
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/25
Immunofluorescence	▪			

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

<b>Target Species</b>	Mouse								
<b>Species Cross Reactivity</b>	Reacts with: Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.								
<b>Product Form</b>	Purified IgG conjugated to DyLight®488 - liquid								
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>Dylight®488</td> <td>493</td> <td>518</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	Dylight®488	493	518		
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Dylight®488	493	518							
<b>Preparation</b>	Purified IgG was prepared from whole serum by affinity chromatography. F(ab') <sub>2</sub> fragments were prepared by pepsin digestion of the IgG followed by a gel filtration step to remove any remaining intact IgG or Fc fragments								
<b>Buffer Solution</b>	Phosphate buffered saline								
<b>Preservative Stabilisers</b>	0.09% Sodium Azide								
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml								
<b>Immunogen</b>	Whole mouse IgG.								

**External Database  
Links**

**UniProt:**

<a href="#">P01869</a>	<a href="#">Related reagents</a>
<a href="#">P01865</a>	<a href="#">Related reagents</a>
<a href="#">P03987</a>	<a href="#">Related reagents</a>
<a href="#">P01867</a>	<a href="#">Related reagents</a>
<a href="#">P01868</a>	<a href="#">Related reagents</a>
<a href="#">P01864</a>	<a href="#">Related reagents</a>
<a href="#">P01863</a>	<a href="#">Related reagents</a>

**Entrez Gene:**

<a href="#">16017</a>	Ighg1	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>
<a href="#">16016</a>	Ighg2b	<a href="#">Related reagents</a>
<a href="#">16017</a>	Ighg1	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>
<a href="#">380795</a>	AI324046	<a href="#">Related reagents</a>
<a href="#">380793</a>	Igh-1a	<a href="#">Related reagents</a>

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**Synonyms**

Igh-4

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**Specificity**

**Rabbit F(ab')<sub>2</sub> 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.

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**Flow Cytometry**

Use 50ul of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul

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**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 $\beta$  and CCL22 and Influences Severity of Retinal Inflammation. [PLoS One. 10 \(7\): e0132688.](#)

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**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

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**Shelf Life**

18 months from date of despatch

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**Acknowledgements** DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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