

Datasheet: MCA2477A647

**BATCH NUMBER 165474**

<b>Description:</b>	MOUSE ANTI HUMAN IgG (Fc) (CH2 DOMAIN):Alexa Fluor® 647
<b>Specificity:</b>	IgG (Fc) (CH2 DOMAIN)
<b>Format:</b>	ALEXA FLUOR® 647
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	8A4
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/1ml

## 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	▪			NT - 1/5

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 product for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Species Cross Reactivity** Reacts with: Cynomolgus monkey  
**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** Purified IgG conjugated to Alexa Fluor®647 - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665

**Preparation** Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05 mg/ml
<b>Immunogen</b>	Human IgG polyclonal.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P01857</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01859</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01860</a>    <a href="#">Related reagents</a></p> <p><a href="#">P01861</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">3500</a> IGHG1    <a href="#">Related reagents</a></p> <p><a href="#">3501</a> IGHG2    <a href="#">Related reagents</a></p> <p><a href="#">3502</a> IGHG3    <a href="#">Related reagents</a></p> <p><a href="#">3503</a> IGHG4    <a href="#">Related reagents</a></p>
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mouse were fused with cells of the P3-NS1/Ag1 myeloma cell line.
<b>Specificity</b>	<b>Mouse anti Human IgG (Fc) (CH2 Domain) antibody, clone 8A4</b> recognizes an epitope within the CH2 domain of the Fc region of all subclasses of human IgG.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul
<b>References</b>	<ol style="list-style-type: none"> <li>1. Komatsuda, A. <i>et al.</i> (2008) Monoclonal immunoglobulin deposition disease associated with membranous features. <a href="#">Nephrol. Dial. Transplant. 23: 3888-94.</a></li> <li>2. Komatsuda, A. <i>et al.</i> (2013) Proliferative glomerulonephritis with discrete deposition of monoclonal immunoglobulin <math>\gamma</math>1 C(H) 2 heavy chain and <math>\kappa</math> light chain: A new variant of monoclonal immunoglobulin deposition disease. <a href="#">Pathol Int. 63: 63-7.</a></li> <li>3. Gehlsen, K. <i>et al.</i> (2012) Pharmacokinetics of engineered human monomeric and dimeric CH2 domains. <a href="#">MAbs. 4: 466-74.</a></li> <li>4. Kato, H. <i>et al.</i> (2015) Rapid Deterioration of the Renal Function Caused by the Coexistence of Intratubular Amyloidosis and Myeloma Cast Nephropathy. <a href="#">Intern Med. 54 (23): 3023-8.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2477A647>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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'M423487:231017'

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