

Datasheet: MCA2477A647

Description:	MOUSE ANTI HUMAN IgG (Fc) (CH2 DOMAIN):Alexa Fluor® 647
Specificity:	IgG (Fc) (CH2 DOMAIN)
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	8A4
Isotype:	IgG1
Quantity:	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.

	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

Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml
Immunogen	Human IgG polyclonal.
External Database Links	<p>UniProt:</p> <p>P01857 Related reagents</p> <p>P01859 Related reagents</p> <p>P01860 Related reagents</p> <p>P01861 Related reagents</p> <p>Entrez Gene:</p> <p>3500 IGHG1 Related reagents</p> <p>3501 IGHG2 Related reagents</p> <p>3502 IGHG3 Related reagents</p> <p>3503 IGHG4 Related reagents</p>
Fusion Partners	Spleen cells from immunized Balb/c mouse were fused with cells of the P3-NS1/Ag1 myeloma cell line.
Specificity	Mouse anti Human IgG (Fc) (CH2 Domain) antibody, clone 8A4 recognizes an epitope within the CH2 domain of the Fc region of all subclasses of human IgG.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 1. Komatsuda, A. <i>et al.</i> (2008) Monoclonal immunoglobulin deposition disease associated with membranous features. Nephrol. Dial. Transplant. 23: 3888-94. 2. Komatsuda, A. <i>et al.</i> (2013) Proliferative glomerulonephritis with discrete deposition of monoclonal immunoglobulin γ1 C(H) 2 heavy chain and κ light chain: A new variant of monoclonal immunoglobulin deposition disease. Pathol Int. 63: 63-7. 3. Gehlsen, K. <i>et al.</i> (2012) Pharmacokinetics of engineered human monomeric and dimeric CH2 domains. MAbs. 4: 466-74. 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. Intern Med. 54 (23): 3023-8.
Storage	<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>
Guarantee	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

Related Products

Recommended Negative Controls

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

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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
'M437767:250318'

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