

Datasheet: MCA2611

BATCH NUMBER 169522

Description:	MOUSE ANTI HUMAN SC5b-9
Specificity:	SC5b-9
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	056B-75.2.3.10 (3R2/0)
Isotype:	IgG2a
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
ELISA	▪			
Western Blotting	▪			

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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Borate buffered saline
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)
Approx. Protein Concentrations	Current, batch-specific concentration 1.093 mg/ml
RRID	AB_844532

Specificity	<p>Mouse anti Human SC5b-9 antibody, clone 056B-75.2.3.10 (3R2/0) recognizes the SC5b-9 complex of around 330 kDa. Both the classical and alternative complement pathways result in the formation of the cytolysis inducing C5b-9 complex. This complex is composed of 190 kDa C5b which is bound to cells via 71 kDa C9. Sublytic assembly of C5b-9 on plasma membranes induces cell cycle activation and survival. The binding of C5b-9 to the 75 kDa S-protein (or vitronectin) in the fluid phase prevents C5b-9 from assembling on the plasma membrane, deactivating it and forming the SC5b-9 complex. SC5b-9 is stable in vitro and is therefore a reliable indicator of terminal complement pathway activation.</p> <p>Removal of Sodium Azide is recommended prior to use in functional assays.</p> <p>Mouse anti Human SC5b-9 antibody, clone 3R2/0 has been reported to work in western blotting applications.</p>
Histology Positive Control Tissue	Kidney from post streptococcal glomerulonephritis patients.
References	<p>1. Baksmeier, C. <i>et al.</i> (2021) Modified recombinant human IgG1-Fc is superior to natural intravenous immunoglobulin at inhibiting immune-mediated demyelination. Immunology. 164 (1): 90-105.</p>
Further Reading	<p>1. Biesecker, G. (1990) The complement SC5b-9 complex mediates cell adhesion through a vitronectin receptor. J Immunol. 145 (1): 209-14.</p> <p>2. Greenstein, J.D. <i>et al.</i> (1995) The kinetics and distribution of C9 and SC5b-9 <i>in vivo</i>: effects of complement activation. Clin Exp Immunol. 100 (1): 40-6.</p> <p>3. Rus, H. <i>et al.</i> (2005) C5b-9 complement complex in autoimmune demyelination and multiple sclerosis: dual role in neuroinflammation and neuroprotection. Ann Med. 37 (2): 97-104.</p>
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	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10077 available at: https://www.bio-rad-antibodies.com/SDS/MCA261110077
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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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