

## Datasheet: MCA2611

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

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Borate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Current, batch-specific concentration 1.10 mg/ml
<b>RRID</b>	AB_844532

**Specificity** **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.

Removal of Sodium Azide is recommended prior to use in functional assays.

Mouse anti Human SC5b-9 antibody, clone 3R2/0 has been reported to work in western blotting applications.

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**Histology Positive Control Tissue** Kidney from post streptococcal glomerulonephritis patients.

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**Further Reading**

1. Biesecker, G. (1990) The complement SC5b-9 complex mediates cell adhesion through a vitronectin receptor. [J Immunol. 145 \(1\): 209-14.](#)
2. Greenstein, J.D. *et al.* (1995) The kinetics and distribution of C9 and SC5b-9 *in vivo*: effects of complement activation. [Clin Exp Immunol. 100 \(1\): 40-6.](#)
3. Rus, H. *et al.* (2005) C5b-9 complement complex in autoimmune demyelination and multiple sclerosis: dual role in neuroinflammation and neuroprotection. [Ann Med. 37 \(2\): 97-104.](#)

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**Storage** 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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** Guaranteed until date of expiry. Please see product label.

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**Health And Safety Information** Material Safety Datasheet documentation #10334 available at: 10334: <https://www.bio-rad-antibodies.com/uploads/MSDS/10334.pdf>

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**Regulatory** For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>

Human Anti Mouse IgG2a (HCA037...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

## Recommended Negative Controls

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

<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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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