

**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>	3R2/0
<b>Isotype:</b>	IgG2b
<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 [Serotec.com](#).

	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>	IgG concentration 1.0 mg/ml

**Specificity**

MCA2611 recognises 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. Serotec recommend the use of [EQU003](#) for this purpose.

Clone 3R2/0 has been reported to work in western blotting applications.

**Histology Positive Control Tissue**

Kidney from post streptococcal glomerulonephritis patients.

**References**

1. Biesecker, G. (1990) The complement SC5b-9 complex mediates cell adhesion through a vitronectin receptor. [J. Biol. Chem.](#) 265: 1111-1115.

[Immunol. 145:209.](#)

2. Greenstein, J. *et al.* (1995) The kinetics and distribution of C9 and SC5b-9 in vivo: effects of complement activation.

[Clin. Exp. Immunol.100:40-6.](#)

3. Rus H, *et al.* (2005) C5b-9 complement complex in autoimmune demyelination and multiple sclerosis: dual role in neuroinflammation and neuroprotection. [Ann Med. 37:97-104.](#)

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**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. 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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**Health And Safety Information** Material Safety Datasheet Documentation #10334 available at:  
<http://www.abdserotec.com/uploads/MSDS/10334.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

HuCAL Anti Mouse IgG2b (HCA038...) [FITC](#), [HRP](#), [RPE](#)  
Sheep Anti Mouse IgG (H/L) (AAC10...) [Biotin](#), [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@800](#), [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

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