

## Datasheet: MCA2646

<b>Description:</b>	MOUSE ANTI HUMAN C9
<b>Specificity:</b>	C9
<b>Other names:</b>	COMPLEMENT COMPONENT 9
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	002-94.8.8
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_2228271

### 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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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 1.0mg/ml
<b>Immunogen</b>	Purified human C9.

**External Database  
Links**

**UniProt:**

[P02748](#)   [Related reagents](#)

**Entrez Gene:**

[735](#)   C9   [Related reagents](#)

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**Specificity**

**Mouse anti Human C9 antibody, clone 002-94.8.8** recognises complement component 9 (C9), a 71 kDa member of the complement C6/C7/C8/C9 family present in the blood serum and synthesised by the liver and monocytes. C9 is the last component to be added during the formation of the membrane attack complex (MAC), binding the membrane associated C5b-8 complex and resulting in the circular polymerisation of 12-18 C9 molecules. This forms the hydrophilic transmembrane channel which causes cell lysis. Deficiency of C9 is associated with recurring infections by *Neisseria meningitides*.

Mouse anti Human C9 antibody, clone 002-94.8.8 does not recognise MAC.

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**References**

1. Huang, Y. *et al.* (2006) Defining the CD59-C9 binding interaction. [J Biol Chem. 281 \(37\): 27398-404.](#)

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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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**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

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Human Anti Mouse IgG2b (HCA038...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),  
[DyLight®800](#), [FITC](#), [HRP](#)

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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