# Datasheet: MCA2646

## BATCH NUMBER 159545

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| **Description:** | MOUSE ANTI HUMAN C9 |
| **Specificity:** | C9 |
| **Other names:** | COMPLEMENT COMPONENT 9 |
| **Format:** | Purified |
| **Product Type:** | Monoclonal Antibody |
| **Clone:** | 002-94.8.8 |
| **Isotype:** | IgG2b |
| **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 | | | ▪ | |
| 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.

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| **Target Species** | Human |
| **Product Form** | Purified IgG - liquid |
| **Preparation** | Purified IgG prepared by affinity chromatography on Protein A |
| **Buffer Solution** | Borate buffered saline |
| **Preservative Stabilisers** | 0.1% Sodium Azide ($NaN_3$) |

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| **Approx. Protein Concentrations** | IgG concentration 1.01 mg/ml |
| **Immunogen** | Purified human C9. |
| **External Database Links** | **UniProt:**<br>P02748 Related reagents<br><br>**Entrez Gene:**<br>735 C9 Related reagents |
| **RRID** | AB_2228271 |
| **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*.<br><br>Mouse anti Human C9 antibody, clone 002-94.8.8 does not recognise MAC. |
| **References** | 1. Huang, Y. *et al.* (2006) Defining the CD59-C9 binding interaction. J Biol Chem. 281 (37): 27398-404. |
| **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.<br><br>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. |
| **Guarantee** | Guaranteed until date of expiry. Please see product label. |
| **Health And Safety Information** | Material Safety Datasheet documentation #10334 available at:<br>https://www.bio-rad-antibodies.com/SDS/MCA2646<br>10334 |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Secondary Antibodies

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|---|---|
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |

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|---|---|
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| 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 (STAR9...) | FITC |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC, HRP |


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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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