

Datasheet: MCA2645

BATCH NUMBER 145800

Description:	MOUSE ANTI HUMAN C8
Specificity:	C8
Other names:	COMPLEMENT COMPONENT 8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	056B-373
Isotype:	IgG1
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.

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)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Purified human C8
External Database Links	<p>UniProt:</p> <p>P07360 Related reagents</p> <p>P07358 Related reagents</p> <p>P07357 Related reagents</p> <p>Entrez Gene:</p> <p>733 C8G Related reagents</p> <p>732 C8B Related reagents</p> <p>731 C8A Related reagents</p>
RRID	AB_2078665
Specificity	<p>Mouse anti Human C8 antibody, clone 056B-373 recognizes complement component 8 (C8), a 151 kDa member of the complement C6/C7/C8/C9 family, present in serum. C8 is a terminal component of the complement system, part of both the complement membrane attack complex (MAC), and important to MAC assembly. C8 binds to the C5b-7 complex, anchored to the membrane, creating C5b-8. C5b-8 binds C9 and catalyses the polymerization of C9 molecules to form C5-b9 (MAC). C8 is thought to contain lipid binding sites, facilitating the insertion of MAC into the membrane.</p> <p>Defects in the alpha chain of C8 can result in complement C8 deficiency type I. Furthermore, C8 deficiencies can cause recurring bacterial infections, in particular from <i>Neisseria meningitides</i>.</p>
Histology Positive Control Tissue	Kidney from post streptococcal glomerulonephritis patients
References	<ol style="list-style-type: none"> Rosa, D.D. <i>et al.</i> (2004) Deficiency of the eighth component of complement associated with recurrent meningococcal meningitis--case report and literature review. Braz J Infect Dis. 8 (4): 328-30. Schreck, S.F. <i>et al.</i> (2000) Human complement protein C8 gamma. Biochim Biophys Acta. 1482 (1-2): 199-208.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety	Material Safety Datasheet documentation #10334 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA2645>
10334

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](#)
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](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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](https://www.bio-rad-antibodies.com/datasheets)
'M350411:190307'

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