

Datasheet: MCA2645

BATCH NUMBER 165015

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 from ascites
Buffer Solution	Borate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	Current, batch-specific concentration 1.08 mg/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 C5b-9 (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>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	Guaranteed until date of expiry. Please see product label.

Health And Safety Information Material Safety Datasheet documentation #10077 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA2645>
10077

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
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 (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

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

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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)
'M416004:230124'

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