Datasheet: MCA2645

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	Current, batch-specific concentration 1.08 mg/ml

Concentrations	
Immunogen	Purified human C8
External Database Links	**UniProt:** P07360 Related reagents P07358 Related reagents P07357 Related reagents **Entrez Gene:** 733 C8G Related reagents 732 C8B Related reagents 731 C8A Related reagents
RRID	AB_2078665
Specificity	**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. 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 *Neisseria meningitides*.
Histology Positive Control Tissue	Kidney from post streptoccal glomerulonephritis patients
References	1. Rosa, D.D. *et al.* (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. 2. Schreck, S.F. *et al.* (2000) Human complement protein C8 gamma. Biochim Biophys Acta. 1482 (1-2): 199-208.
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. 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	Material Safety Datasheet documentation #10077 available at:

Information	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)

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

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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