

Datasheet: MCA2617

BATCH NUMBER 159373

Description:	MOUSE ANTI HUMAN FACTOR P
Specificity:	COMPLEMENT FACTOR P
Other names:	PROPERDIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	062-27.8.1 (10-18)
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	▪			1:1000
Immunohistology - Frozen	▪			1:1000
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 1.0 mg/ml
Immunogen	Native purified factor P from human serum.
External Database Links	<p>UniProt: P27918 Related reagents</p> <p>Entrez Gene: 5199 CFP Related reagents</p>
Synonyms	PFC
RRID	AB_844542
Specificity	<p>Mouse anti Human Factor P antibody, clone 062-27.8.1 (10-18) recognizes human factor P, a 53 kDa glycosylated protein present in blood serum. Factor P binds to microbial surfaces and binds and stabilizes the complement component 3- and complement component 5-convertase enzyme complexes. C3b then acts as an opsonin or initiates the complement pathway again creating a positive feedback loop which acts only on the bacterial cell, leaving the host cells unharmed. Deficiency of factor P makes the host more susceptible to bacterial infections, particularly to <i>Neisseria</i> species and meningococcal infections.</p> <p>Mouse anti Human Factor P antibody, clone 10-18 is reported to inhibit the function of factor P. Removal of sodium azide is recommended prior to use in functional assays.</p>
Histology Positive Control Tissue	Kidney from post streptococcal glomerulonephritis patients
Further Reading	<ol style="list-style-type: none"> Hourcade, D.E. (2006) The role of properdin in the assembly of the alternative pathway C3 convertases of complement. J Biol Chem. 281 (4): 2128-32. Jelezarova, E. <i>et al.</i> (2000) Interaction of C3b(2)--IgG complexes with complement proteins properdin, factor B and factor H: implications for amplification. Biochem J. 349 (Pt 1): 217-23.
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 #10334 available at: https://www.bio-rad-antibodies.com/SDS/MCA261710334

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

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