

## Datasheet: MCA2617

<b>Description:</b>	MOUSE ANTI HUMAN FACTOR P
<b>Specificity:</b>	COMPLEMENT FACTOR P
<b>Other names:</b>	PROPERDIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	062-27.8.1 (10-18)
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from ascites
<b>Buffer Solution</b>	Borate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein</b>	Current, batch-specific concentration 1.0 mg/ml

## Concentrations

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**Immunogen** Native purified factor P from human serum.

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## External Database Links

**UniProt:**

[P27918](#)    [Related reagents](#)

**Entrez Gene:**

[5199](#)    CFP    [Related reagents](#)

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**Synonyms** PFC

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**RRID** AB\_844542

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## Specificity

**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 *Neisseria* species and meningococcal infections.

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.

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## Histology Positive Control Tissue

Kidney from post streptococcal glomerulonephritis patients

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## Further Reading

1. 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.](#)
  2. Jelezarova, E. *et al.* (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.](#)
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## 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.

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## Guarantee

Guaranteed until date of expiry. Please see product label.

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## Health And Safety Information

Material Safety Datasheet documentation #10077 available at: <https://www.bio-rad-antibodies.com/SDS/MCA261710077>

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

### 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://bio-rad-antibodies.com/datasheets)

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