

For Research Use Only

# Properdin/PFC Monoclonal antibody

Catalog Number: 66788-1-Ig



## Basic Information

<b>Catalog Number:</b> 66788-1-Ig	<b>GenBank Accession Number:</b> BC015756	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5199	<b>CloneNo.:</b> 1D5A9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P27918	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG1	<b>Full Name:</b> complement factor properdin	
<b>Immunogen Catalog Number:</b> AG9798	<b>Calculated MW:</b> 469 aa, 51 kDa	
	<b>Observed MW:</b> 50 kDa, 100 kDa, 150 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, human plasma
<b>Species Specificity:</b> human, rat, pig	

## Background Information

CFP, also named as Properdin or CFP, is a 469 amino acid protein, which contains 7 TSP type-1 domains. CFP as secreted protein is a positive regulator of the alternate pathway of complement. It binds to and stabilizes the C3- and C5-convertase enzyme complexes. Properdin deficiency poses a significant risk for severe meningococcal infections (PMID: 22229731). Properdin may be novel biomarker for future risk of type 2 diabetes (PMID: 22338105). In plasma, properdin exists as dimers, trimers or tetramers.

## Storage

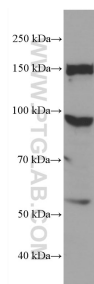
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 66788-1-Ig (CFP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.