

CFP Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9941c**Specification**

CFP Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P27918](#)**CFP Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5199**Other Names**

Properdin, Complement factor P, CFP, PFC

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CFP Antibody (Center) Blocking Peptide - Protein Information**Name** CFP**Synonyms** PFC**Function**

A positive regulator of the alternate pathway (AP) of complement (PubMed:20382442, PubMed:28264884). It binds to and stabilizes the C3- and C5-convertase enzyme complexes (PubMed:20382442, PubMed:28264884). Inhibits CFI-CFH mediated degradation of Complement C3 beta chain (C3b) (PubMed:31507604).

Cellular Location

Secreted

CFP Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CFP Antibody (Center) Blocking Peptide - Images

CFP Antibody (Center) Blocking Peptide - Background

This gene encodes a plasma glycoprotein that positively regulates the alternative complement pathway of the innate immune system. This protein binds to many microbial surfaces and apoptotic cells and stabilizes the C3- and C5-convertase enzyme complexes in a feedback loop that ultimately leads to formation of the membrane attack complex and lysis of the target cell. Mutations in this gene result in two forms of properdin deficiency, which results in high susceptibility to meningococcal infections.

CFP Antibody (Center) Blocking Peptide - References

Seitsonen, S., et al. Mol. Immunol. 47(6):1334-1336(2010)Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009)Wolf-Schnurrbusch, U.E., et al. Retina (Philadelphia, Pa.) 29(7):966-973(2009)Keslar, K., et al. Transplantation 86(9):1319-1321(2008)Hartmann, S., et al. J. Biol. Chem. 275(37):28569-28574(2000)