

**BF Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7357c****Specification**

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**BF Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P00751](#)**BF Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 629**Other Names**

Complement factor B, C3/C5 convertase, Glycine-rich beta glycoprotein, GBG, PBF2, Properdin factor B, Complement factor B Ba fragment, Complement factor B Bb fragment, CFB, BF, BFD

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7357c](/products/AP7357c) was selected from the Center region of human BF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**BF Antibody (Center) Blocking Peptide - Protein Information****Name** CFB**Synonyms** BF, BFD**Function**

Factor B which is part of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. Bb, a serine protease, then combines with complement factor 3b to generate the C3 or C5 convertase. It has also been implicated in proliferation and differentiation of preactivated B-lymphocytes, rapid spreading of peripheral blood monocytes, stimulation of lymphocyte blastogenesis and lysis of erythrocytes. Ba inhibits the proliferation of preactivated B-lymphocytes.

**Cellular Location**

Secreted.

## **BF Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **BF Antibody (Center) Blocking Peptide - Images**

## **BF Antibody (Center) Blocking Peptide - Background**

BF is complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation.

## **BF Antibody (Center) Blocking Peptide - References**

Baatz,H., Klin Monatsbl Augenheilkd 226 (8), 654-658 (2009)Goring,K., Am. J. Physiol., Cell Physiol. 296 (5), C1140-C1150 (2009)