

Complement factor B (CFB) Rabbit mAb

Catalog No.: A21793

Recombinant

1 Publications

Basic Information

Observed MW

105kDa

Calculated MW

86kDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC54100

Background

This gene encodes 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. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. This cluster includes several genes involved in regulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk of age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of the gene for complement component 2.

Recommended Dilutions

WB 1:10000 - 1:150000**IF/ICC** 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

629

Swiss Prot

P00751

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14; Complement factor B (CFB)

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

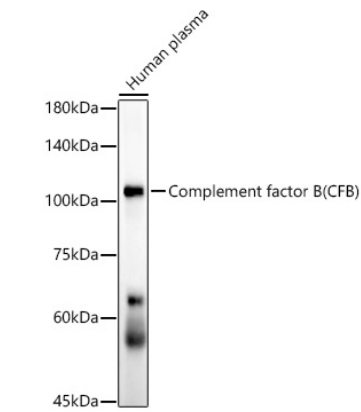
Affinity purification

Storage

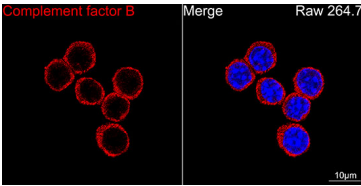
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from Human plasma, using Complement factor B (CFB) Rabbit mAb (A21793) at 1:130000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 60s.



Confocal imaging of RAW 264.7 cells using Complement factor B (CFB) Rabbit mAb (A21793,dilution 1:100)(Red).DAPI was used for nuclear staining (blue). Objective: 100x.