

Mouse anti-Human Complement Factor B/Bb Monoclonal Antibody | anti-CFB antibody

Anti-Human Complement Factor B/Bb, Purified (clone: M13/12), (Mouse IgG1 K)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74222	Mouse	Human	Western Blot, ELISA, Immunoprecipitation

PRODUCT SYNONYMS

Complement Factor B/Bb; Monoclonal Antibody; Anti-Human Complement Factor B/Bb; Purified (clone: M13/12); (Mouse IgG1 K); Anti-Human Complement Factor B/Bb Monoclonal Antibody; anti-CFB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG ₁ K
Clone Number	M13/12
Specificity	This antibody is specific for human complement factor B/Bb
Form/Format	Purified IgG buffered in PBS and 0.02% NaN ₃ . (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-CFB antibody	WB (Western Blot), ELISA, IP (Immunoprecipitation)
Hybridoma Production	Immunization: Mouse monoclonal antibody raised against human complement factor B/Bb.
Biotin, FITC, and PE	Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml
Preparation and Storage	For all formats, store at 4 degree C. DO NOT FREEZE PE conjugates. For long term storage (Purified, Biotin, FITC), aliquot and freeze unused portion at -20 degree C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-CFB antibody	Anti-human complement factor B/Bb recognizes human complement factor B and its' cleavage product Bb. Complement factor B is a single-chain molecule of 764 amino acids (MW of 90 kDa) and is part of the alternative complement pathway. It is cleaved by Factor D yielding the non-catalytic Ba and the serine protease Bb. Bb associates with C3b and provides the catalytic subunit of the C5 convertase which cleaves C5 to C5a and C5b. Factor B is an acute-phase protein whose levels increase during inflammation. Additionally, Bb is involved in the proliferation and differentiation of pre-activated B-lymphocytes. Conversely, Ba has been shown to inhibit the proliferation of pre-activated B-lymphocytes.
Product Categories/Family for anti-CFB antibody	Human
References	- Oppermann, M., Baumgarten, H., Brandt, E., Gottsleben, W., Kurts, C., and Götze, O. (1990) J. Immunol. Methods 133, 181-1902. - Oppermann, M., Kurts, C., Zierz, R., Quentin, E., Weber, M. H., and Götze, O. (1991) Kidney Int. 40, 939- 947. - Oppermann, M., Höpken, U., and Götze, O. (1992) Immunopharm. 24, 119-134.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782358
NCBI GeneID	629
NCBI Accession #	NP_001701.2
NCBI GenBank Nucleotide #	NM_001710.5
NCBI Official Full Name	complement factor B preproprotein
NCBI Official Synonym Full Names	complement factor B
NCBI Official Symbol	CFB
NCBI Official Synonym Symbols	BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14
NCBI Protein Information	complement factor B
UniProt Protein Name	Complement factor B
UniProt Gene Name	CFB
UniProt Synonym Gene Names	BF; BFD; GBG
UniProt Entry Name	CFAB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/complement-factor-b-bb-antibody-clone-m13-12-western-blot-immunoprecipitation-elisa/74222>