



Anti-CFB monoclonal antibody, clone 014III-33.2.4.3 (CABT-47936MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Human Complement Factor B (Ba Fragment) antibody, clone 014III-33.2.4.3 recognises the 30kDa Ba fragment of 90kDa human complement factor B, present in blood serum. C3b associates with complement factor B, inducing conformational change. This enables complement factor D to cleave the N-terminal of complement factor B (the Ba subunit), leaving the 63 kDa Bb subunit associated with C3b, forming C3 convertase. Subunit Ba inhibits lymphocyte proliferation. Conversely, subunit Bb is involved in the proliferation of preactivated B lymphocytes. Mouse anti Human Complement Factor B (Ba Fragment) antibody, clone 014III-33.2.4.3 has been reported for use in functional studies to block activity of the target protein. Removal of Sodium Azide is recommended prior to use in functional assays.

Specificity	COMPLEMENT FACTOR B
Immunogen	Purified human complement factor b.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	014III-33.2.4.3
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; FC; FA; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.1% Sodium Azide

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CFB complement factor B [Homo sapiens (human)]
Official Symbol	CFB
Synonyms	CFB; complement factor B; BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14; C3 proactivator; C3/C5 convertase; C3 proaccelerator; properdin factor B; B-factor, properdin; glycine-rich beta glycoprotein; glycine-rich beta-glycoprotein; COMPL
Entrez Gene ID	629
Protein Refseq	NP_001701
UniProt ID	P00751
Chromosome Location	6p21.3
Pathway	Activation of C3 and C5; Alternative complement activation; Complement and coagulation cascades; Complement cascade; Immune System; Initial triggering of complement; Innate Immune System; Regulation of Complement cascade;
Function	complement binding; serine-type endopeptidase activity;