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Product datasheet for AM01348PU-N

Complement factor B (CFB) (Ba Fragment) Mouse Monoclonal Antibody [Clone ID: 014III-33.2.4.3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	014III-33.2.4.3
Applications:	ELISA, FC, FN, IHC, WB
Recommended Dilution:	Western Blot. Functional Assays. Flow Cytometry. ELISA: This antibody binds both the Ba fragment and the whole protein so is not suitable for all ELISA applications. Immunohistochemistry on frozen sections. Recommended Positiv Control: Kidney from post streptoccal glomerulonephritis patients.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified human complement factor b.
Specificity:	This antibody recognises the 30kDa Ba fragment of 90kDa complement factor B, present in blood serum.
Formulation:	Borate buffered saline pH 8.2 - 8.4 containing 0.02% Sodium Azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement factor B

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Database Link:	Entrez Gene 629 Human P00751
Background:	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.
Synonyms:	Properdin factor B, C3/C5 convertase, PBF2, CFB, BF, BFD
Note:	This antibody inhibits the function of factor B and binds both nascent factor B and the Ba cleavage product. Removal of Sodium Azide is recommended prior to use in functional assays.
Protein Families:	Druggable Genome, Protease, Secreted Protein
Protein Pathways:	Complement and coagulation cascades