

COMPLEMENT FACTOR I Monoclonal Antibody | anti-CFI antibody

MOUSE ANTI HUMAN COMPLEMENT FACTOR I

CATALOG #	APPLICATIONS
AAA11964	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunohistochemistry, ELISA, Western Blot, Functional Assay

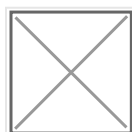
PRODUCT SYNONYMS

COMPLEMENT FACTOR I; Monoclonal Antibody; MOUSE ANTI HUMAN COMPLEMENT FACTOR I; anti-CFI antibody

PRODUCT SPECIFICATIONS

Clonality	Monoclonal
Isotype	IgG1
Clone Number	052.11.3 (3R/8)
Specificity	Complement Factor I
Form/Format	Purified IgG - liquid
Concentration	Approx. Protein Concentrations: Current, batch-specific concentration 1.20 mg/ml (varies by lot)
Applicable Applications for anti-CFI antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot), FA (Functional Assay)
Application Notes	<p>ELISA: 1/500 - 1/4000</p> <p>Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.</p>
Target Species	Human
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
RRID	AB_844540
Buffer Solution	Borate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN3)
Immunogen	Native human factor I from serum.
Histology Positive Control	Tissue Kidney from post streptoccal glomerulonephritis patients
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

IMAGES



Hazard Indicator

ADDITIONAL INFORMATION

Related Product Information for anti-CFI antibody	<p>Mouse anti Human Complement Factor I antibody, clone 3R/8 recognizes complement factor I, a member of the peptidase S1 family present in the blood plasma. Factor I is an 88 kDa protein consisting of one polypeptide chain of 35.4 kDa and one of 27.6 kDa. Factor I is a serine protease which inactivates complement components C3b and C4b. C3b cleavage requires the presence of cofactors complement component (3b/4b) receptor 1 (CR1), membrane cofactor protein or factor H, while C4b cleavage requires complement component 4 binding protein or CR1. Factor I has no natural inhibitors.</p> <p>Dysfunctional factor I can lead to uncontrolled activation of the alternative complement pathway causing in systemic depletion of C3 and lower levels of factors B and H, resulting in recurrent pyogenic infections. Defects in CFI are also associated with haemolytic uraemic syndrome.</p> <p>Mouse anti Human Complement Factor I antibody, clone 3R/8 blocks function of complement factor I. Removal of Sodium Azide is recommended prior to use in functional assays.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119392081
NCBI GeneID	3426
NCBI Accession #	NP_000195.2
NCBI GenBank Nucleotide #	NM_000204.3
UniProt Accession #	P05156; O60442
NCBI Official Full Name	complement factor I preproprotein
NCBI Official Synonym Full Names	complement factor I
NCBI Official Symbol	CFI
NCBI Official Synonym Symbols	FI; IF; KAF; AHUS3; ARMD13; C3BINA; C3b-INA
NCBI Protein Information	complement factor I; C3B/C4B inactivator; C3b-inactivator; Konglutinogen-activating factor; complement component I; complement control protein factor I; complement factor I heavy chain; light chain of factor I
UniProt Protein Name	Complement factor I
UniProt Gene Name	CFI
UniProt Synonym Gene Names	IF
UniProt Entry Name	CFAI_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-i-antibody-clone-052-11-3-3r-8-flow-cytometry-immunohistochemistry-immunohistochemistry-western-blot-functional-assay-elisa/11964>