

Human Complement Factor I (CFI) ELISA Kit | CFI elisa kit

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CATALOG #
AAA65509

REACTIVITY
Human

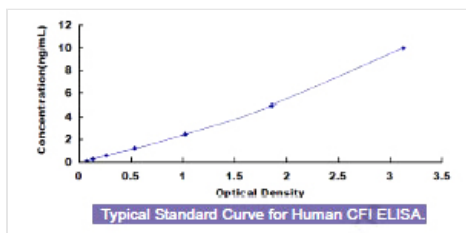
PRODUCT SYNONYMS

Complement Factor I (CFI); Human Complement Factor I (CFI) ELISA Kit; C3B/C4B inactivator; Complement factor I; CFI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CFI. No significant cross-reactivity or interference between CFI and analogues was observed.
Sequence Length	583
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CFI were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CFI were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CFI elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CFI in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CFI. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CFI. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CFI, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CFI in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119392081
NCBI GeneID	3426
NCBI Accession #	NP_000195.2
NCBI GenBank Nucleotide #	NM_000204.4
UniProt Accession #	P05156; O60442
Molecular Weight	65,750 Da
NCBI Official Full Name	complement factor I isoform 2 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
UniProt Protein Name	Complement factor I
UniProt Gene Name	CFI
UniProt Synonym Gene Names	IF

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.