

Human Complement factor I ELISA Kit | CFI elisa kit

Human Complement factor I ELISA Kit

CATALOG #
AAA100228

REACTIVITY
Human

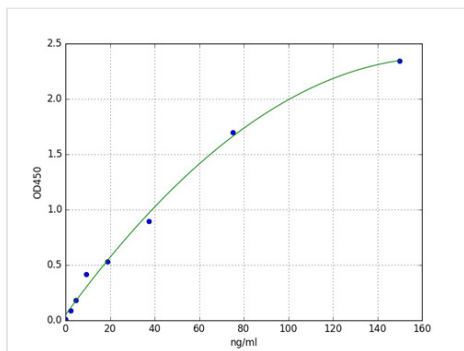
PRODUCT SYNONYMS

Complement factor I; Human Complement factor I ELISA Kit; CFI/C3b Inactivator/C3BINa/IF/KAF/AHUS3/FIC3b-INA/C3B/C4B inactivator/C3b-inactivator/complement component I/complement control protein factor I/complement factor I heavy chain/I factor (complement)//Konglutinogen-activating factor/light chain of factor I; CFI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	583
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	93.75-6000ng/ml
Sensitivity	56.25ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Results of a typical standard run of a Human CFI ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	2.344	4.688	9.375	18.75	37.5	75	150
Y	OD450	0.032	0.121	0.213	0.342	0.576	1.108	1.368	1.975

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CFI elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CFI antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CFI antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CFI amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CFI can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119392081
NCBI GeneID	3426
NCBI Accession #	NP_000195.2
NCBI GenBank Nucleotide #	NM_000204.4
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
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/cfi-human-elisa-kits/complement-factor-i/100228>