

Human Complement Factor I ELISA Kit | CFI elisa kit

Human Complement Factor I ELISA Kit

CATALOG #
AAA16042

REACTIVITY
Human

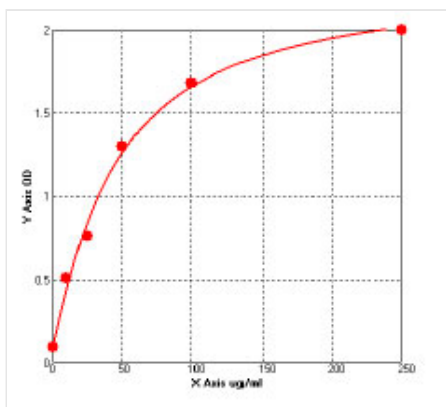
PRODUCT SYNONYMS

Complement Factor I; Human Complement Factor I ELISA Kit; CFI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ug/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CFI elisa kit

Intended Uses: This CFH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CFH. This ELISA kit for research use only!

Principle of the Assay: CFH ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CFH antibody and an CFH-HRP conjugate. The assay sample and buffer are incubated together with CFH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CFH concentration since CFH from samples and CFH-HRP conjugate compete for the anti-CFH antibody binding site. Since the number of sites is limited, as more sites are occupied by CFH from the sample, fewer sites are left to bind CFH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CFH concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CFI elisa kit	Immunology
---	------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	119392081
NCBI GeneID	3426
NCBI Accession #	NP_000195.2
NCBI GenBank Nucleotide #	NM_000204.3
Molecular Weight	65,750 Da
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-inactivator; C3B/C4B inactivator; complement component I; light chain of factor I; Konglutinogen-activating factor; complement factor I heavy chain; complement control protein 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cfi-human-elisa-kits/complement-factor-i/16042>