

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

Rat Complement Factor I (CFI) ELISA Kit

CATALOG # AAA151278	REACTIVITY Rat
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PRODUCT SYNONYMS

Complement Factor I (CFI); Rat Complement Factor I (CFI) ELISA Kit; CFI/Complement Factor I; CF-I; C3b-INA; FI; IF; KAF; Factor I; Konglutinogen-Activating Factor; C3b-Inactivator; C3B/C4B inactivator; CFI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.239ng/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	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for CFI elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CFI. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CFI in rat serum, plasma and other biological fluids.
Product Categories/Family for CFI elisa kit	Metabolic pathway; Immune molecule; Hematology; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	13162353
NCBI GeneID	79126
NCBI Accession #	NP_077071.1
NCBI GenBank Nucleotide #	NM_024157.1
UniProt Accession #	Q9WUW3; Q5EBC4
Molecular Weight	67,298 Da
NCBI Official Full Name	complement factor I
NCBI Official Synonym Full Names	complement factor I
NCBI Official Symbol	Cfi
NCBI Protein Information	complement factor I; C3B/C4B inactivator
UniProt Protein Name	Complement factor I
UniProt Gene Name	Cfi
UniProt Synonym Gene Names	If
UniProt Entry Name	CFAI_RAT

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://www.aaabiotech.com/rat-elisa-kits/complement-factor-i-cfi/151278>