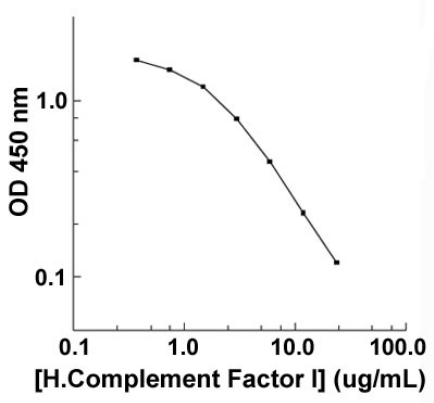
CFI (Human) ELISA Kit

Catalog # KA4506 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CFI (Human) ELISA Kit is a competitive enzyme immunoassay for the quantitative measurement of human CFI.
Suitable Sample	Cell culture supernatant, Milk, Plasma, Saliva, Serum
Sample Volume	25 uL
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.375 to 24 ug/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -20°C. For best results, please store the components as described in the protocol. Avoid repeated freezing and thawing.

Applications

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- Quantification

Gene Info — CFI

Entrez GeneID	3426
Gene Name	CFI
Gene Alias	C3B-INA, FI, IF, KAF
Gene Description	complement factor I
Omim ID	217030
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a serine proteinase that is essential for regulating the complement cascade. The encoded preproprotein is cleaved to produce both heavy and light chains, which are linked by disulfide bonds to form a heterodimeric glycoprotein. This heterodimer can cleave and inactivate the complement components C4b and C3b, and it prevents the assembly of the C3 and C5 convertase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessive disease associated with a susceptibility to pyogenic infections. Mutations in this gene have been associated with a predisposition to atypical hemolytic uraemic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immmune deposits is another condition associated with mutation of this gene. [provided by RefSeq
Other Designations	C3B/C4B inactivator|C3b-inactivator|I factor (complement)|Konglutinogen-activating factor|complement component I|complement control protein factor I|light chain of factor I

Pathway

- Complement and coagulation cascades

Disease

- Alcoholism
- Genetic Predisposition to Disease
- Hemolytic-Uremic Syndrome

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- Macular Degeneration
- Recurrence
- Tobacco Use Disorder

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