

Human Complement Factor H ELISA Kit | CFH elisa kit

Human Complement Factor H ELISA Kit

CATALOG #
AAA263033

REACTIVITY
Human

PRODUCT SYNONYMS

Complement Factor H; Human Complement Factor H ELISA Kit; HF; HF1; HF2; Complement factor H; H factor 1; CFH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Complement Factor H ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Complement Factor H proteins within the range of 1560 pg/ml - 100000 pg/ml.
Sequence Length	1231
Samples	Cell Culture Supernates, Serum, Plasma, Urine
Sensitivity	<50 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CFH elisa kit	Principle of the Assay: The Human Complement Factor H ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Complement Factor H in Cell Culture Supernates, Serum, Plasma, Urine. This assay employs an antibody specific for Human Complement Factor H coated on a 96-well plate. Standards and samples are pipetted into the wells and Complement Factor H present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Complement Factor H antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Complement Factor H bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Complement factor H (CFH), originally known as beta-1H globulin, is a serum glycoprotein that regulates the function of the alternative complement pathway in fluid phase and on cellular surfaces. It binds to C3b, accelerates the decay of the alternative pathway convertase C3bBb, and also acts as a cofactor for complement factor I, another C3b inhibitor. The CFH gene is located on chromosome 1q32-q32.1 within a cluster of genes encoding the regulatory complement components of the activation of C3 (RCA for 'regulators of complement activation'). This gene cluster includes decay-accelerating factor (DAF), C4-binding protein (C4BPA and C4BPB), and the factor H-related genes CFHR1, CFHR2, CFHR3, CFHR4, and CFHR5, among others. The gene family has arisen by multiple duplication events.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62739186
NCBI GeneID	3075
NCBI Accession #	NP_000177.2
NCBI GenBank Nucleotide #	NM_000186.3
UniProt Accession #	P08603; P78435; Q14570; Q2TAZ5; Q38G77; Q5TFM3; Q8N708; Q9NU86; A5PL14
Molecular Weight	51,034 Da
NCBI Official Full Name	complement factor H isoform a
NCBI Official Synonym Full Names	complement factor H
NCBI Official Symbol	CFH
NCBI Official Synonym Symbols	FH; HF; HF1; HF2; HUS; FHL1; AHUS1; AMBP1; ARMD4; ARMS1; CFHL3
NCBI Protein Information	complement factor H
UniProt Protein Name	Complement factor H
UniProt Gene Name	CFH
UniProt Synonym Gene Names	HF; HF1; HF2
UniProt Entry Name	CFAH_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.