

Human Complement H/CFH PicoKine ELISA Kit | CFH elisa kit

Human Complement H/CFH PicoKine ELISA Kit

CATALOG #
AAA46208

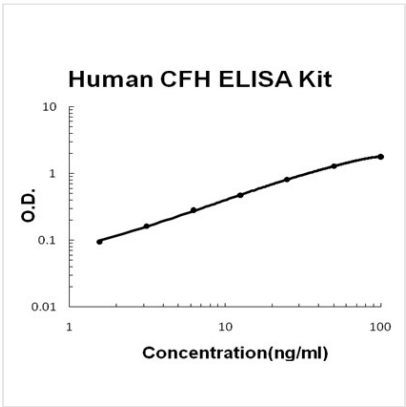
REACTIVITY
Human

PRODUCT SYNONYMS

Complement H/CFH PicoKine; Human Complement H/CFH PicoKine ELISA Kit; Complement factor H; adrenomedullin binding protein; age related maculopathy susceptibility 1; AHUS 1; AHUS1; AMBP 1; AMBP1; ARMD 4; ARMD4; ARMS 1; ARMS1; beta 1 H globulin; beta 1H; beta1H; CFAH_HUMAN; CFH; CFHL 3; CFHL3; complement factor H; isoform b; Factor H; factor H like 1; FH; FHL 1; FHL1; H factor 1 (complement); H factor 1; H factor 2 (complement); HF 1; HF 2; HF; HF1; HF2; HUS; MGC88246 ; CFH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CFH
Sequence Length	1231
Assay Range	1.56ng/ml-100ng/ml
Sensitivity	<50pg/ml
Sample	For quantitative detection of human CFH in cell culture supernates, serum, plasma(heparin, EDTA) and urine.
Immunogen	NSO, S860-R1231
Assay Procedure Step 1	Aliquot 0.1ml per well of the 100ng/ml, 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml human CFH standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. It is recommended that each human CFH standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(ng/ml) 2.32 8.15 37.66 2.01 9.00 45.39 Standard Deviation 0.12 0.47 2.37 0.13 0.56 3.22 CV(%) 5.2 5.8 6.3 6.9 6.3 7.1
Sample Data	Concentration(ng/ml) 0 1.56 3.12 6.25 12.5 25 50 100 O.D. 0.054 0.094 0.162 0.282 0.470 0.812 1.285 1.777
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human Complement H/CFH PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CFH elisa kit	Principle of the assay: Human CFH ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CFH has been precoated onto 96-well plates. Standards (NSO, S860-R1231) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CFH is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 CFH amount of sample captured in plate. 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.
--	---

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/complement-h-cfh-picokine/46208>