

Mouse Complement H/CFH PicoKine ELISA Kit | Cfh elisa kit

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CATALOG #
AAA46132

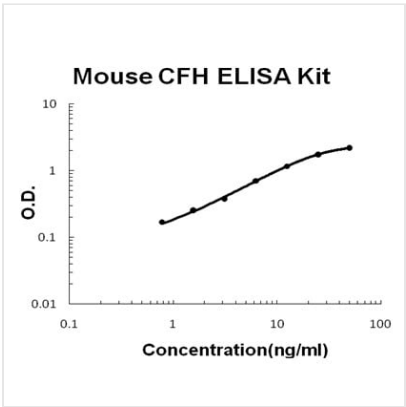
REACTIVITY
Mouse

PRODUCT SYNONYMS

Complement H/CFH PicoKine; Mouse 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	Mouse
Specificity	Natural and recombinant mouse CFH
Sequence Length	1252
Assay Range	0.78ng/ml-50ng/ml
Sensitivity	<20pg/ml
Sample	For quantitative detection of mouse CFH in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, S875-V1252
Assay Procedure Step 1	Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse CFH standard solution and each sample is 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) 14.5 31.8 41.2 15.5 34.2 42.5 Standard deviation 0.710 1.844 2.760 0.837 2.120 3.102 CV(%) 4.9 5.8 6.7 5.4 6.2 7.3
Sample Data	Concentration(ng/ml) 0 0.78 1.56 3.12 6.25 12.5 25 50 O.D. 0.086 0.170 0.254 0.378 0.702 1.168 1.749 2.195
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)
Mouse Complement H/CFH PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Cfh elisa kit	Principle of the assay: Mouse CFH ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CFH has been precoated onto 96-well plates. Standards (NSO, S875-V1252) 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 mouse 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109627652
NCBI GeneID	12628
NCBI Accession #	NP_034018.2
NCBI GenBank Nucleotide #	NM_009888.3
UniProt Accession #	P06909; Q6NZK3
Molecular Weight	139,138 Da
NCBI Official Full Name	complement factor H
NCBI Official Synonym Full Names	complement component factor h
NCBI Official Symbol	Cfh
NCBI Official Synonym Symbols	NOM; Sas1; Mud-1; Sas-1
NCBI Protein Information	complement factor H
UniProt Protein Name	Complement factor H

UniProt Gene Name	Cfh
UniProt Synonym Gene Names	Hf1
UniProt Entry Name	CFAH_MOUSE

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/mouse-elisa-kits/complement-h-cfh-picokine/46132>