

Mouse Complement Factor H/CFH ELISA Kit | CFH elisa kit

Mouse Complement Factor H/CFH PicoKine Quick ELISA Kit

CATALOG # AAA126840	REACTIVITY Mouse	APPLICATIONS ELISA
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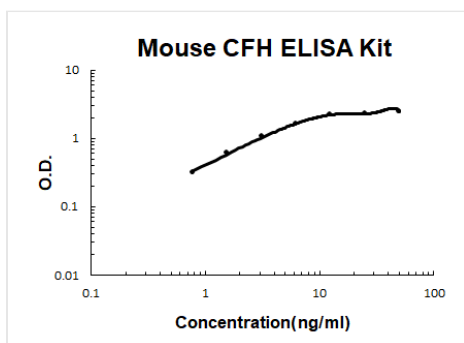
PRODUCT SYNONYMS

Complement Factor H/CFH; Mouse Complement Factor H/CFH PicoKine Quick ELISA Kit; CFH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Cfh
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<20 pg/ml
Applicable Applications for CFH elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Mouse CFH PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CFH elisa kit	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. Principle of the Assay: The Quick Picokine™ Mouse Cfh Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cfh in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Cfh protein as standards. To measure Mouse Cfh, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Cfh in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cfh in the sample.
Product Categories/Family for CFH elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

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.