

Human CFHR1 ELISA Kit | CFHR1 elisa kit

Human CFHR1 ELISA Kit PicoKine

CATALOG # AAA126711	REACTIVITY Human	APPLICATIONS ELISA
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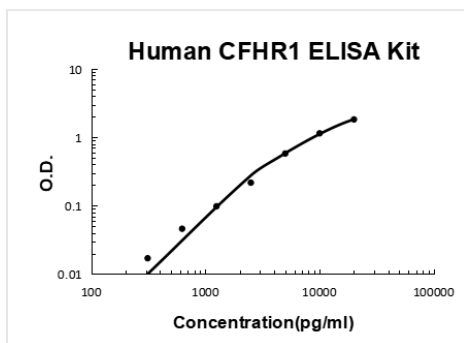
PRODUCT SYNONYMS

CFHR1; Human CFHR1 ELISA Kit PicoKine; CFHR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CFHR1
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<20 pg/ml
Applicable Applications for CFHR1 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)

Human CFHR1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CFHR1 elisa kit	Background: Complement factor H-related protein 1 is a protein that in humans is encoded by the CFHR1 gene. This gene encodes a secreted protein belonging to the complement factor H protein family. It binds to Pseudomonas aeruginosa elongation factor Tuf together with plasminogen, which is proteolytically activated. It is proposed that Tuf acts as a virulence factor by acquiring host proteins to the pathogen surface, controlling complement, and facilitating tissue invasion. Mutations in this gene are associated with an increased risk of atypical hemolytic-uremic syndrome. Principle of the Assay: The Picokine™ Human CFHR1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CFHR1 with a 96-well strip plate that is pre-coated with antibody specific for CFHR1. The detection antibody is a biotinylated antibody specific for CFHR1. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CFHR1 protein as standards. To measure Human CFHR1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP 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 at 450nm is linearly proportional to Human CFHR1 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 Human CFHR1 in the sample.
Product Categories/Family for CFHR1 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	218512041
NCBI GeneID	3078
UniProt Accession #	Q03591; Q3B774; Q9UJ17; A8K465
Molecular Weight	330
NCBI Official Full Name	Complement factor H-related protein 1
NCBI Official Synonym Full Names	complement factor H-related 1
NCBI Official Symbol	CFHR1
NCBI Official Synonym Symbols	CFHL; FHR1; HFL1; HFL2; CFHL1; H36-1; H36-2; CFHL1P; CFHR1P
NCBI Protein Information	complement factor H-related protein 1; H36; FHR-1; H-factor-like 1; h factor-like protein 1; H factor (complement)-like 1; H factor (complement)-like 2; complement factor H-related 1 pseudogene
UniProt Protein Name	Complement factor H-related protein 1
UniProt Gene Name	CFHR1
UniProt Synonym Gene Names	CFHL; CFHL1; CFHL1P; CFHR1P; FHR1; HFL1; HFL2; FHR-1; H-factor-like 1
UniProt Entry Name	FHR1_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.