

Human CFHR4 ELISA Kit | CFHR4 elisa kit

Human CFHR4 ELISA Kit PicoKine

CATALOG # AAA126712	REACTIVITY Human	APPLICATIONS ELISA
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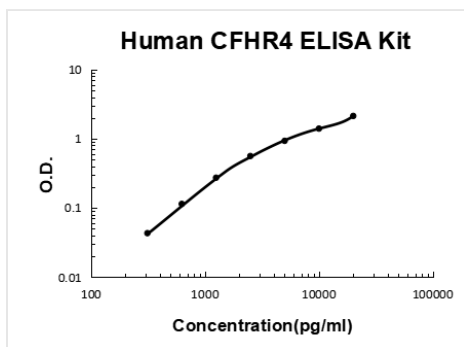
PRODUCT SYNONYMS

CFHR4; Human CFHR4 ELISA Kit PicoKine; CFHR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CFHR4
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 CFHR4 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 CFHR4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CFHR4 elisa kit	Background: Complement factor H-related protein 4 is a protein that in humans is encoded by the CFHR4 gene. This gene is a member of the complement factor H (CFH) gene family, and encodes one of the 5 CFH-related (CFHR) proteins. These 5 genes are closely linked to the CFH gene on chromosome 1q31-q32. The CFHRs are secreted plasma proteins synthesized primarily by the hepatocytes, and composed of highly-related short consensus repeats (SCRs). This protein enhances the cofactor activity of CFH, and is involved in complement regulation. It can associate with lipoproteins and may play a role in lipid metabolism. Alternatively spliced transcript variants encoding different isoforms (varying in the number of SCRs) have been described for this gene. Principle of the Assay: The Picokine™ Human CFHR4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CFHR4 with a 96-well strip plate that is pre-coated with antibody specific for CFHR4. The detection antibody is a biotinylated antibody specific for CFHR4. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CFHR4 protein as standards. To measure Human CFHR4, 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 unbounded 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 CFHR4 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 CFHR4 in the sample.
Product Categories/Family for CFHR4 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	320089550
NCBI GeneID	10877
NCBI Accession #	NP_001188480.1
NCBI GenBank Nucleotide #	NM_001201551.1
UniProt Accession #	Q92496; Q9UJY6; A8K9N7; B1ALQ9; C9J7J7
Molecular Weight	37,299 Da
NCBI Official Full Name	complement factor H-related protein 4 isoform 2
NCBI Official Synonym Full Names	complement factor H-related 4
NCBI Official Symbol	CFHR4
NCBI Official Synonym Symbols	FHR4; CFHL4; FHR-4
NCBI Protein Information	complement factor H-related protein 4
UniProt Protein Name	Complement factor H-related protein 4
UniProt Gene Name	CFHR4
UniProt Synonym Gene Names	CFHL4; FHR4; FHR-4
UniProt Entry Name	FHR4_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.