

Human CFHR5 ELISA Kit | CFHR5 elisa kit

Human CFHR5 PicoKine Quick ELISA Kit

CATALOG # AAA126849	REACTIVITY Human	APPLICATIONS ELISA
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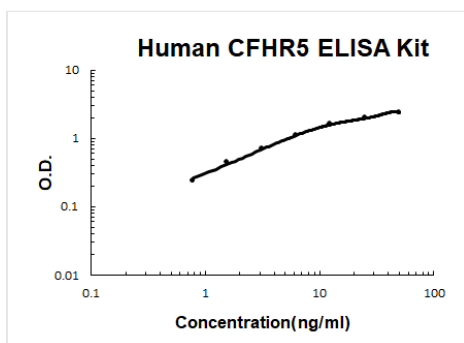
PRODUCT SYNONYMS

CFHR5; Human CFHR5 PicoKine Quick ELISA Kit; CFHR5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CFHR5
Assay Type	Sandwich
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA) and urine
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<0.1 ng/ml
Applicable Applications for CFHR5 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 CFHR5 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CFHR5 elisa kit	Background: Complement factor H-related protein 5 is a protein that in humans is encoded by the CFHR5 gene. It is mapped to 1q31.3. This gene is a member of a small complement factor H (CFH) gene cluster on chromosome 1. Each member of this gene family contains multiple short consensus repeats (SCRs) typical of regulators of complement activation. The protein encoded by this gene has nine SCRs with the first two repeats having heparin binding properties, a region within repeats 5-7 having heparin binding and C reactive protein binding properties, and the C-terminal repeats being similar to a complement component 3 b (C3b) binding domain. This protein co-localizes with C3, binds C3b in a dose-dependent manner, and is recruited to tissues damaged by C-reactive protein. Allelic variations in this gene have been associated, but not causally linked, with two different forms of kidney disease: membranoproliferative glomerulonephritis type II (MPGNII) and hemolytic uraemic syndrome (HUS). Principle of the Assay: The Quick Picokine™ Human CFHR5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CFHR5 in cell culture supernatants, serum and plasma (heparin, EDTA) and urine. 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 Human CFHR5 protein as standards. To measure Human CFHR5, 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 Human CFHR5 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 CFHR5 in the sample.
Product Categories/Family for CFHR5 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	13540563
NCBI GeneID	81494
NCBI Accession #	NP_110414
NCBI GenBank Nucleotide #	NM_030787
UniProt Accession #	Q9BXR6; Q2NKK2
Molecular Weight	64,419 Da
NCBI Official Full Name	complement factor H-related protein 5
NCBI Official Synonym Full Names	complement factor H-related 5
NCBI Official Symbol	CFHR5
NCBI Official Synonym Symbols	FHR5; CFHL5; FHR-5; CFHR5D
NCBI Protein Information	complement factor H-related protein 5
UniProt Protein Name	Complement factor H-related protein 5
UniProt Gene Name	CFHR5
UniProt Synonym Gene Names	CFHL5; FHR5; FHR-5
UniProt Entry Name	FHR5_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.