

Human CFD ELISA Kit | CFD elisa kit

Human CFD PicoKine ELISA Kit

CATALOG #
AAA45753

REACTIVITY
Human

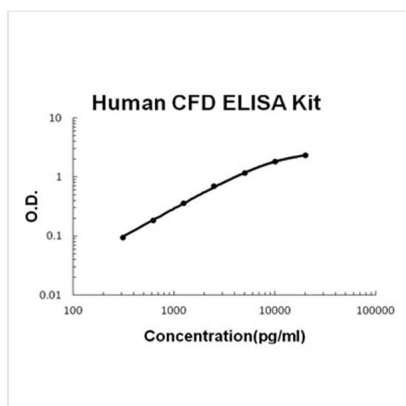
PRODUCT SYNONYMS

CFD; Human CFD PicoKine ELISA Kit; Complement factor D; complement factor D (adipsin); Adipsin; ADN; C3 convertase activator; CFAD_HUMAN; Complement factor D preproprotein; D component of complement; DF; PFD; Properdin factor D; CFD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CFD
Sequence Length	253
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and urine
Assay Type	Sandwich
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	< 10pg/ml
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 between 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CFD PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CFD elisa kit	Principle of the assay: human CFD ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CFD has been precoated onto 96-well plates. Standards(NSO, I26-A253) and test samples are added to the wells; a biotinylated detection polyclonal antibody from goat specific for CFD 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 human CFD amount of sample captured in plate. Background: Complement factor D (CFD), also called ADIPSIN or FACTOR D, is a protein which in humans is encoded by the CFD gene. The protein encoded by this gene belongs to the trypsin family of peptidases. It is mapped to 19p13.3. The encoded protein is a component of the alternative complement pathway which is best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology. What's more, Factor D is a serine protease that stimulates glucose transport for triglyceride accumulation in fats cells and inhibits lipolysis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158515408
NCBI GeneID	1675
UniProt Accession #	P00746; Q5U5S1; Q86VJ5; Q8N4E0; Q8WZB4; B4DV76
Molecular Weight	27,033 Da
NCBI Official Full Name	Complement factor D
NCBI Official Synonym Full Names	complement factor D (adipsin)
NCBI Official Symbol	CFD
NCBI Official Synonym Symbols	DF; ADN; PFD; ADIPSIN
NCBI Protein Information	complement factor D; properdin factor D; C3 convertase activator; complement factor D preproprotein; D component of complement (adipsin)
UniProt Protein Name	Complement factor D
UniProt Gene Name	CFD
UniProt Synonym Gene Names	DF; PFD
UniProt Entry Name	CFAD_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.