

Human Ficolin-3 ELISA Kit | FCN3 elisa kit

Human Ficolin-3 PicoKine Fast ELISA Kit

CATALOG #
AAA125363

REACTIVITY
Human

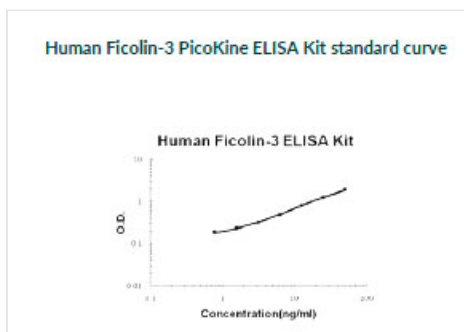
PRODUCT SYNONYMS

Ficolin-3; Human Ficolin-3 PicoKine Fast ELISA Kit; human Ficolin-3; Collagen/fibrinogen domain-containing lectin 3 p35; Collagen/fibrinogen domain-containing protein 3; Hakata antigen; FCN3; FCNH; HAKA1; FCN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human FCN3
Sequence Length	299
Samples	Cell culture supernates, serum and plasma(heparin)
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<20pg/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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FCN3 elisa kit	Principle of the Assay: The Boster Picokine™ Human FCN3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human FCN3 with a 96-well strip plate that is pre-coated with antibody specific for FCN3. The detection antibody is a biotinylated antibody specific for FCN3. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human FCN3 with immunogen: Expression system for standard: NSO; Immunogen sequence: Q24-R299. The kit is analytically validated with ready to use reagents. To measure Human FCN3, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human FCN3 in the sample. Read the density 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 FCN3 in the sample.!!Background/Introduction: Ficolin-3, also known as HAKA1, is a protein that in humans is encoded by the FCN3 gene. It is mapped to 1p36.11. The protein can activate the complement pathway in association with MASPs and sMAP, thereby aiding in host defense through the activation of the lectin pathway. Ficolin-3 is expressed as a 35-kD protein that reacts with systemic lupus erythematosus sera. Ficolin-3 does not bind fibronectin(FN1), elastin(ELN), or zymosan, and the lectin activity of the Ficolin-3 is calcium independent. Homozygosity for the variant in the FCN3 gene results in a recessive complement deficiency syndrome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27754776
NCBI GeneID	8547
NCBI Accession #	NP_003656.2
NCBI GenBank Nucleotide #	NP_003656.2
UniProt Accession #	O75636
NCBI Official Full Name	ficolin-3 isoform 1
NCBI Official Synonym Full Names	ficolin 3
NCBI Official Symbol	FCN3
NCBI Official Synonym Symbols	FCNH; HAKA1
NCBI Protein Information	ficolin-3
UniProt Protein Name	Ficolin-3
UniProt Gene Name	FCN3
UniProt Synonym Gene Names	FCNH; HAKA1
UniProt Entry Name	FCN3_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.