

Human Ficolin-1 ELISA Kit | FCN1 elisa kit

Human Ficolin-1 PicoKine ELISA Kit

CATALOG #
AAA45782

REACTIVITY
Human

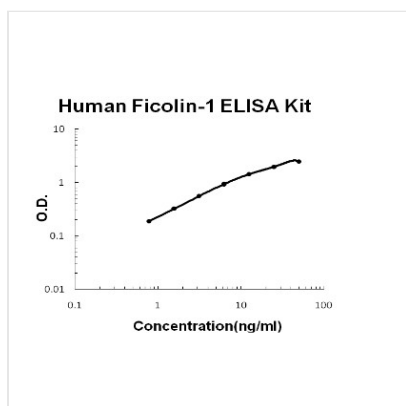
PRODUCT SYNONYMS

Ficolin-1; Human Ficolin-1 PicoKine ELISA Kit; ficolin (collagen/fibrinogen domain containing) 1; Collagen/fibrinogen domain containing protein 1; Collagen/fibrinogen domain-containing protein 1; Fcn1; FCN1_HUMAN ; FCNM; Ficolin 1; Ficolin A; Ficolin alpha; Ficolin-A; Ficolin-alpha; M ficolin; M-ficolin; FCN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Ficolin-1
Sequence Length	326
Samples	Cell culture supernates, serum and plasma (heparin)
Assay Type	Sandwich
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 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 Ficolin-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FCN1 elisa kit	Principle of the assay: human Ficolin-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Ficolin-1 has been precoated onto 96-well plates. Standards(NSO, A30-A326) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Ficolin-1 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 Ficolin-1 amount of sample captured in plate. Background: Ficolin-1, and also commonly termed M-ficolin is a protein that in humans is encoded by the FCN1 gene. It is mapped to 9q34.3. The ficolin family of proteins are characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. Ficolins have a crucial role in defense against pneumococcal infection through the lectin complement pathway. Ficolin 1 is predominantly expressed in the peripheral blood leukocytes, and has been postulated to function as a plasma protein with elastin-binding activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20455484
NCBI GeneID	2219
UniProt Accession #	O00602; Q5VYV5; Q92596
Molecular Weight	35,078 Da
NCBI Official Full Name	Ficolin-1
NCBI Official Synonym Full Names	ficolin (collagen/fibrinogen domain containing) 1
NCBI Official Symbol	FCN1
NCBI Official Synonym Symbols	FCNM
NCBI Protein Information	ficolin-1; M-ficolin; ficolin-A; ficolin-alpha; collagen/fibrinogen domain-containing protein 1; ficolin (collagen/fibrinogen domain-containing) 1
UniProt Protein Name	Ficolin-1
UniProt Gene Name	FCN1
UniProt Synonym Gene Names	FCNM
UniProt Entry Name	FCN1_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.

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Online datasheet: <https://stage.aaabiotech.com/fcn1-human-elisa-kits/ficolin-1/45782>