

Human Ficolin-3 ELISA Kit | FCN3 elisa kit

Human Ficolin-3 PicoKine ELISA Kit

CATALOG #
AAA45791

REACTIVITY
Human

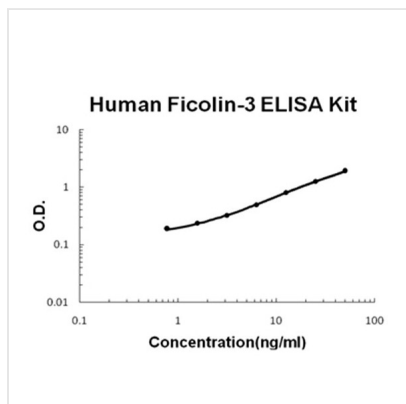
PRODUCT SYNONYMS

Ficolin-3; Human Ficolin-3 PicoKine ELISA Kit; ficolin (collagen/fibrinogen domain containing) 3; Collagen/fibrinogen domain containing lectin 3 p35; Collagen/fibrinogen domain containing protein 3; FCN 3; FCNH; Ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen); Ficolin (collagen/fibrinogen domain containing) 3; Ficolin 3; H ficolin; HAKA1; Hakata antigen; MGC22543; FCN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Ficolin-3
Sequence Length	299
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-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FCN3 elisa kit	Principle of the assay: human Ficolin-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Ficolin-3 has been precoated onto 96-well plates. Standards(NSO, Q24-R299) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Ficolin-3 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-3 amount of sample captured in plate. Background: 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.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	90111858
NCBI GeneID	8547
UniProt Accession #	O75636; Q6IBJ5; Q8WW86
Molecular Weight	31,678 Da
NCBI Official Full Name	Ficolin-3
NCBI Official Synonym Full Names	ficolin (collagen/fibrinogen domain containing) 3
NCBI Official Symbol	FCN3
NCBI Official Synonym Symbols	FCNH; HAKA1
NCBI Protein Information	ficolin-3; H-ficolin; ficolin 3; collagen/fibrinogen domain-containing protein 3; collagen/fibrinogen domain-containing lectin 3 p35; ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/fcn3-human-elisa-kits/ficolin-3/45791>