

Human Fibronectin ELISA Kit | FN1 elisa kit

Human Fibronectin PicoKine ELISA Kit

CATALOG #
AAA11554

REACTIVITY
Human

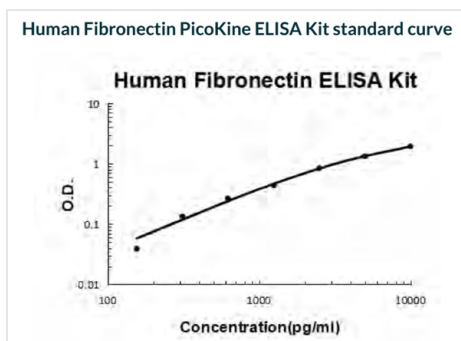
PRODUCT SYNONYMS

Fibronectin; Human Fibronectin PicoKine ELISA Kit; fibronectin 1; CIG; Cold insoluble globulin; Fibronectin 1; FINC; FN; FN1; FNZ; Migration stimulating factor; MSF; FN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human FN1
Sequence Length	2386
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/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 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FN1 elisa kit	Background: Fibronectin (FN) also known as LETS, is identified on the surfFN of fibroblasts by labeling with radioactive compounds or specific antibodies. Fibronectin is a 430,000-dalton dimeric glycoprotein that exists in 2 forms, termed cellular and plasma fibronectin. Cellular and plasma fibronectins are heterodimers consisting of similar but not identical polypeptides. These two forms of FN differ in biologic activity. Fibronectins bind cell surfFNs and various compounds including collagen, fibrin, heparin, DNA, and actin. Because fibronectin stimulates endocytosis in several systems and promotes the clearance of particulate material from the circulation, it could function in the clearance of C1q-coated material such as immune complexes or cellular debris. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. LETS, encoded on chromosome 8, is responsible for the LETS protein expression in humans. Because LETS has been implicated in tumorigenicity and cellular transformation, it is of interest that rearrangement or modifications in the number of chromosome 8 have been associated with certain forms of cancer. The standard used in this kit is isolated from human plasma with the molecular mass of 200-250KDa. Principle of the Assay: The Picokine™ Human FN1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human FN1 with a 96-well strip plate that is pre-coated with antibody specific for FN1. The detection antibody is a biotinylated antibody specific for FN1. The capture antibody is polyclonal antibody from rabbit and the detection antibody is polyclonal antibody from goat. The kit includes Human FN1 protein as standards. To measure Human FN1, 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 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 at 450nm is linearly proportional to Human FN1 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 FN1 in the sample.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	300669710
NCBI GeneID	2335
UniProt Accession #	P02751; O95609; O95610; Q14312; Q14325; Q14326; Q17RV7; Q564H7; Q585T2; B7ZLF0; E9PE77; E9PG29
Molecular Weight	256,502 Da
NCBI Official Full Name	Fibronectin
NCBI Official Synonym Full Names	fibronectin 1
NCBI Official Symbol	FN1
NCBI Official Synonym Symbols	FN; CIG; FNZ; MSF; ED-B; FINC; GFND; LETS; GFND2
NCBI Protein Information	fibronectin; cold-insoluble globulin; migration-stimulating factor
UniProt Protein Name	Fibronectin
UniProt Gene Name	FN1
UniProt Synonym Gene Names	FN; FN; CIG
UniProt Entry Name	FINC_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.