

Rat Fibronectin ELISA Kit | FN1 elisa kit

Rat Fibronectin PicoKine ELISA Kit

CATALOG #
AAA45323

REACTIVITY
Rat

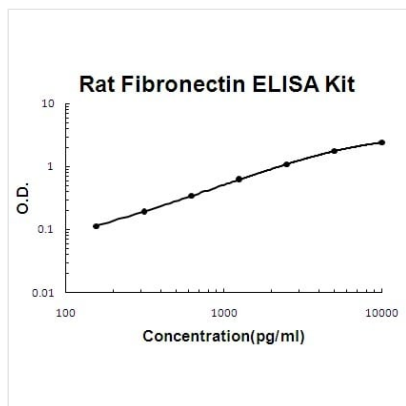
PRODUCT SYNONYMS

Fibronectin; Rat 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	Rat
Specificity	Natural rat Fibronectin
Sequence Length	2477
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Assay Type	Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	< 15pg/ml
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)

Rat Fibronectin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FN1 elisa kit

Principle of the assay: rat Fibronectin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Fibronectin has been precoated onto 96-well plates. Standards(from plasma) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Fibronectin 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 rat Fibronectin amount of sample captured in plate.

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.¹ 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.² 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.³ The standard used in this kit is isolated from rat plasma with the molecular mass of 200-250KDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	120178
NCBI GeneID	25661
UniProt Accession #	P04937; Q6LDX9
Molecular Weight	259,350 Da
NCBI Official Full Name	Fibronectin
NCBI Official Synonym Full Names	fibronectin 1
NCBI Official Symbol	Fn1
NCBI Official Synonym Symbols	fn-1; FIBNEC
NCBI Protein Information	fibronectin; FN
UniProt Protein Name	Fibronectin
UniProt Gene Name	Fn1
UniProt Synonym Gene Names	FN
UniProt Entry Name	FINC_RAT

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://www.aaabiotech.com/fn1-rat-elisa-kits/fibronectin/45323>