

Rat Fibronectin ELISA Kit | FN1 elisa kit

Rat Fibronectin ELISA Kit

CATALOG # AAA105814	REACTIVITY Rat	APPLICATIONS ELISA
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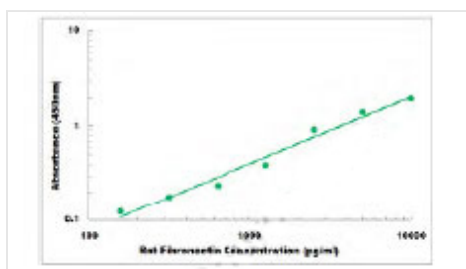
PRODUCT SYNONYMS

Fibronectin; Rat Fibronectin ELISA Kit; FN; Cold-insoluble globulin; CIG; FN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat Fibronectin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat Fibronectin proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	2477
Samples	Cell Culture Supernatants, Serum, Plasma
Sensitivity	<15 pg/ml
Applicable Applications for FN1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FN1 elisa kit

Principle of the Assay: The Rat Fibronectin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat Fibronectin in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat Fibronectin coated on a 96-well plate. Standards and samples are pipetted into the wells and Fibronectin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat Fibronectin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Fibronectin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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.

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/105814>