



Datasheet for ABIN6720001

## Fibronectin ELISA Kit



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### 1 Image

#### Overview

Quantity:	1 kit
Target:	Fibronectin
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CIG, Cold insoluble globulin, Cold-insoluble globulin, Fibronectin 1, FINC, FINC_HUMAN, FN, FN1, FNZ, Migration stimulating factor, MSF, Ugl-Y3</p> <p>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</p>

## Product Details

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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.

Gene Name: FN1

Production: Natural human Fibronectin. There is no detectable cross-reactivity with other relevant proteins.

Standard: From Plasma

## Target Details

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Target: Fibronectin

Abstract: [Fibronectin Products](#)

Gene ID: 2335

NCBI Accession: [NP\\_001293058](#)

UniProt: [P02751](#)

## Application Details

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Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Fibronectin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each human Fibronectin standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000g/mL

Sample Volume: 100 µL

Plate: Pre-coated

## Application Details

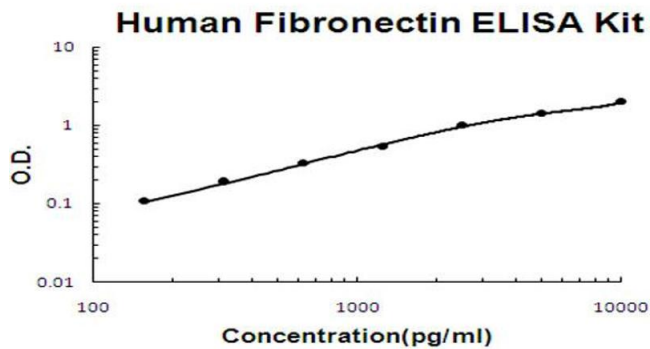
Restrictions: For Research Use only

## Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

## Images



### ELISA

**Image 1.** Human Fibronectin Accusignal ELISA Kit Human Fibronectin AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000g/ml. Sensitivity: <10pg/ml.