Human Fibronectin,FN ELISA Kit

Product Code	CSB-E04551h
Abbreviation	FN1
Protein Biological Process 1	Immunity
Target Name	fibronectin 1
Uniprot No.	P02751
Alias	CIG, DKFZp686F10164, DKFZp686H0342, DKFZp686I1370, DKFZp686O13149, ED-B, FINC, FN, FNZ, GFND, GFND2, LETS, MSF, OTTHUMP00000206762|OTTHUMP00000206767|cold-insoluble globulin|migration-stimulating fa
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Acute phase
Sample Types	serum, plasma, tissue homogenates, cell culture supernates, cell lysates
Detection Range	12.5 ng/mL-800 ng/mL
Sensitivity	3.12 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	FN1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human FN1 ELISA Kit was designed for the quantitative measurement of Human FN1 protein in serum, plasma, tissue homogenates, cell culture supernates, cell lysates. It is a Sandwich ELISA kit, its detection range is 12.5 ng/mL-800 ng/mL and the sensitivity is 3.12 ng/mL .
Target Details	This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative

splicing, with the potential to produce 20 different transcript variants. However, the full-length nature of some variants has not been determined.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human FN in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:100	Average %	97
	Range %	92-104
1:200	Average %	95
	Range %	88-100
1:400	Average %	96
	Range %	89-103
1:800	Average %	93
	Range %	89-100

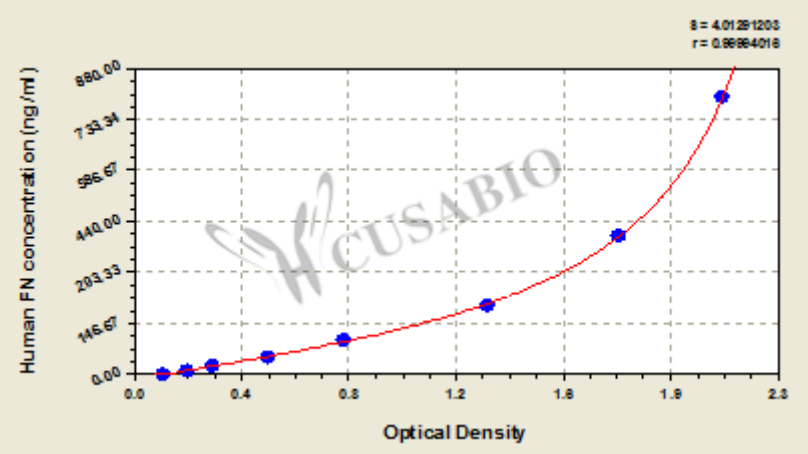
Recovery

The recovery of human FN spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	95	89-99
EDTA plasma (n=4)	96	90-102

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
800	2.119	2.126	2.123	2.010
400	1.797	1.704	1.751	1.638
200	1.274	1.285	1.280	1.167
100	0.758	0.761	0.760	0.647
50	0.482	0.495	0.489	0.376
25	0.286	0.296	0.291	0.178
12.5	0.196	0.203	0.200	0.087
0	0.112	0.113	0.113	?

Msds

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