



Rat Fibronectin, FN ELISA Kit

Product Code	CSB-E04553r
Abbreviation	FN1
Protein Biological Process 1	Immunity
Target Name	fibronectin 1
Uniprot No.	P04937
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	Rattus norvegicus (Rat)
Protein Biological Process 3	Acute phase
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.78 ng/mL-50 ng/mL
Sensitivity	0.195 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 Rat FN1 ELISA Kit was designed for the quantitative measurement of Rat FN1 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 ng/mL-50 ng/mL and the sensitivity is 0.195 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 rat 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)
1:1000	Average %	96
	Range %	85-100
1:2000	Average %	87
	Range %	82-93
1:4000	Average %	98
	Range %	95-100
1:8000	Average %	92
	Range %	88-94

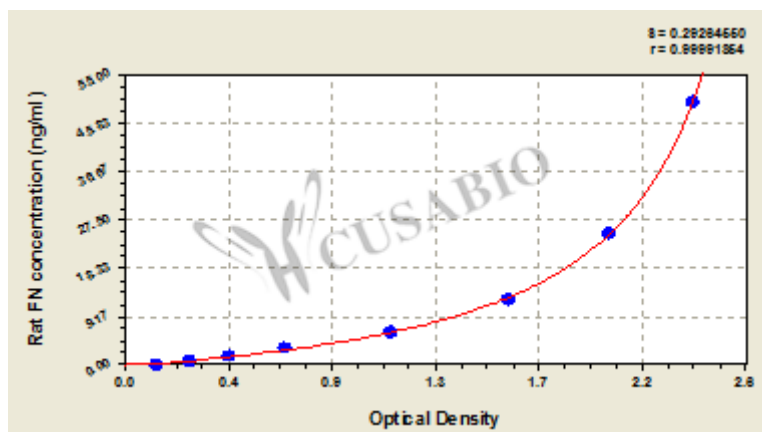
Recovery

The recovery of rat 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)	92	87-98
EDTA plasma (n=4)	99	89-109

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
50	2.370	2.405	2.388	2.245
25	2.015	2.063	2.039	1.896
12.5	1.613	1.627	1.620	1.477
6.25	1.115	1.136	1.126	0.983
3.12	0.685	0.679	0.682	0.539
1.56	0.432	0.467	0.450	0.307
0.78	0.278	0.291	0.285	0.142
0	0.142	0.144	0.143	?

Msds

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