



Rat Interferon β , IFN- β /IFNB ELISA Kit

Product Code	CSB-E04845r
Abbreviation	IFNB1
Protein Biological Process 1	Immunity
Target Name	interferon, beta 1, fibroblast
Uniprot No.	P70499
Alias	IFB, IFF, IFNB, MGC96956, interferon beta
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Antiviral defense
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 pg/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	Ifnb1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat IFNB1 ELISA Kit was designed for the quantitative measurement of Rat IFNB1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
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 pig LIF 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)
1:1	Average %	98
	Range %	94-102
1:2	Average %	104
	Range %	98-110
1:4	Average %	90
	Range %	85-94
1:8	Average %	93
	Range %	86-98

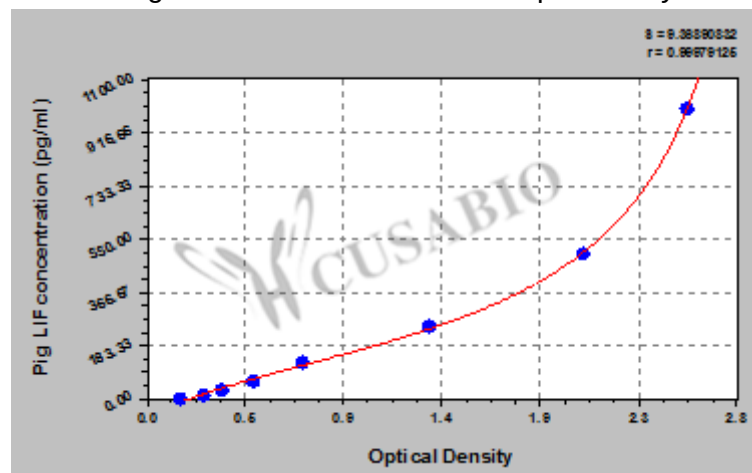
Recovery

The recovery of pig LIF 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)	87	80-91

Typical

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



pg/ml	OD1	OD2	Average	Corrected
1000	2.516	2.587	2.552	2.380
500	2.021	2.106	2.064	1.892
250	1.362	1.324	1.343	1.171
125	0.761	0.739	0.750	0.578
62.5	0.503	0.534	0.519	0.347
31.25	0.375	0.359	0.367	0.195
15.6	0.276	0.295	0.286	0.114
0	0.174	0.170	0.172	

Msds

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