



Rat Netrin-1(NTN1) ELISA kit

Product Code	CSB-EL016127RA
Abbreviation	NTN1
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	netrin 1
Uniprot No.	Q924Z9
Alias	NTN1L, Netrin-1 netrin 1, mouse, homolog of
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	18.75 pg/mL-1200 pg/mL
Sensitivity	4.7 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	Neuroscience
Gene Names	Ntn1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat NTN1 ELISA Kit was designed for the quantitative measurement of Rat NTN1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 18.75 pg/mL-1200 pg/mL and the sensitivity is 4.7 pg/mL.
Target Details	Netrin is included in a family of laminin-related secreted proteins. The function of this gene has not yet been defined; however, netrin is thought to be involved in axon guidance and cell migration during development. Mutations and loss of expression of netrin suggest that variation in netrin may be involved in cancer development.
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 mouse LIPE 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)
	Average %	85
1:1	Range %	81-89
	Average %	93
1:2	Range %	90-95
	Average %	83
1:4	Range %	80-86
	Average %	110
1:8	Range %	104-116

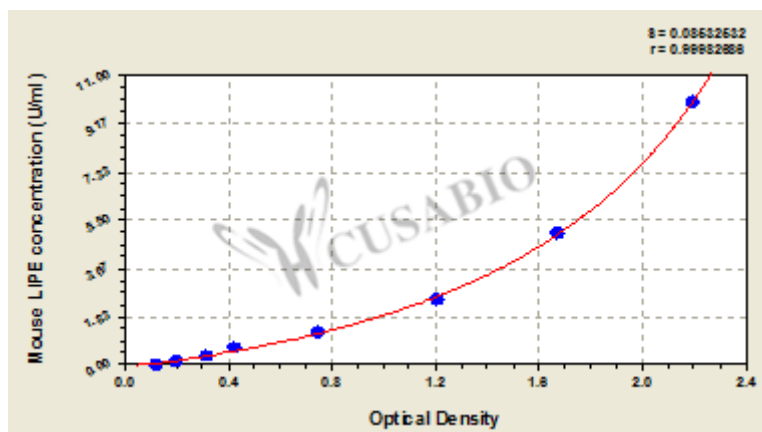
Recovery

The recovery of mouse LIPE 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)	89	85-97
EDTA plasma (n=4)	101	98-104

Typical

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



U/ml	OD1	OD2	Average	Corrected
10	2.115	2.201	2.158	2.025
5	1.658	1.638	1.648	1.515
2.5	1.182	1.201	1.192	1.059
1.25	0.745	0.738	0.742	0.609
0.625	0.418	0.431	0.425	0.292
0.312	0.325	0.319	0.322	0.189
0.156	0.204	0.211	0.208	0.075
0	0.134	0.132	0.133	?

Msds

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