



Human Neuronal Pentraxin-1(NPTX-1) ELISA kit

Product Code	CSB-E14336h
Abbreviation	NPTX1
Target Name	neuronal pentraxin I
Uniprot No.	Q15818
Alias	DKFZp686J2446, MGC105123, NP1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	1.95 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	NPTX1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human NPTX1 ELISA Kit was designed for the quantitative measurement of Human NPTX1 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.
Target Details	NPTX1 is a member of the neuronal pentraxin gene family. Neuronal pentraxin 1 is similar to the rat NP1 gene which encodes a binding protein for the snake venom toxin taipoxin. Human NPTX1 mRNA is exclusively localized to the nervous system.
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 NPTX-1 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 %	93
	Range %	89-97
1:2	Average %	103
	Range %	96-105
1:4	Average %	93
	Range %	89-97
1:8	Average %	98
	Range %	94-102

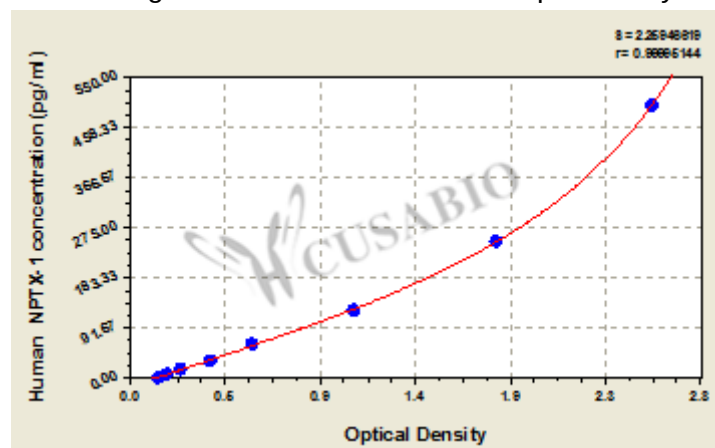
Recovery

The recovery of human NPTX-1 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)	97	93-101
EDTA plasma (n=4)	92	86-96

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
500	2.642	2.443	2.543	2.395
250	1.838	1.737	1.788	1.640
125	1.034	1.166	1.100	0.952
62.5	0.613	0.597	0.605	0.457
31.2	0.398	0.401	0.400	0.252
15.6	0.264	0.255	0.260	0.112
7.8	0.196	0.188	0.192	0.044
0	0.149	0.147	0.148	

Msds

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