



Human Syntaxin-1A(STX1A) ELISA kit

Product Code	CSB-EL022895HU
Abbreviation	STX1A
Protein Biological Process 1	Cell Cycle
Target Name	syntaxin 1A (brain)
Uniprot No.	Q16623
Alias	HPC-1, STX1, p35-1, syntaxin 1A
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Exocytosis
Sample Types	serum, 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	Neuroscience
Gene Names	STX1A
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human STX1A ELISA Kit was designed for the quantitative measurement of Human STX1A protein in serum, 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 human STX1A 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 %	95
	Range %	90-102
1:2	Average %	90
	Range %	85-96
1:4	Average %	97
	Range %	91-105
1:8	Average %	94
	Range %	86-100

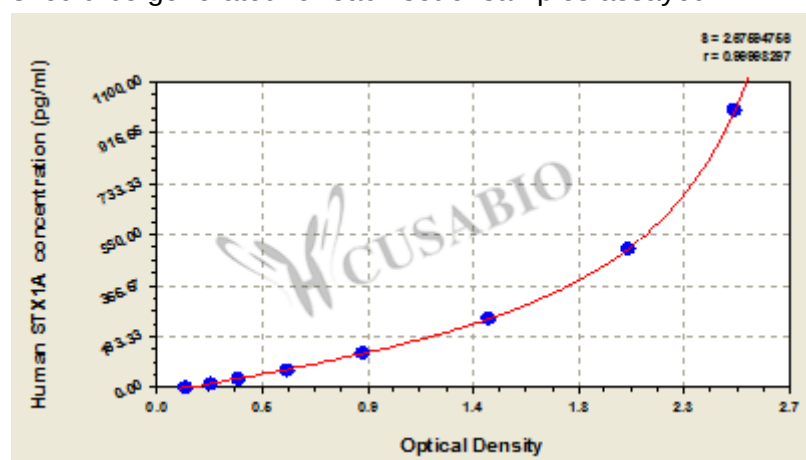
Recovery

The recovery of human STX1A 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	92-104
EDTA plasma (n=4)	95	88-101

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	2.489	2.452	2.471	2.334
500	2.049	1.989	2.019	1.882
250	1.450	1.399	1.425	1.288
125	0.913	0.867	0.890	0.753
62.5	0.582	0.551	0.567	0.430
31.2	0.361	0.357	0.359	0.222
15.6	0.246	0.234	0.240	0.103
0	0.136	0.138	0.137	?

Msds

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