



Human Cocaine-and amphetamine-regulated transcript protein (Cartpt) ELISA kit

Product Code	CSB-EL004532HU
Abbreviation	Cartpt
Target Name	Cocaine-and amphetamine-regulated transcript protein (Cartpt)
Uniprot No.	Q16568
Alias	CART, cocaine and amphetamine regulated transcript cocaine- and amphetamine-regulated transcript
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
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	Others
Gene Names	CARTPT
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human Cartpt ELISA Kit was designed for the quantitative measurement of Human Cartpt 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 human Cartpt 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 %	91
	Range %	84-99
1:2	Average %	88
	Range %	81-97
1:4	Average %	95
	Range %	92-100
1:8	Average %	94
	Range %	86-98

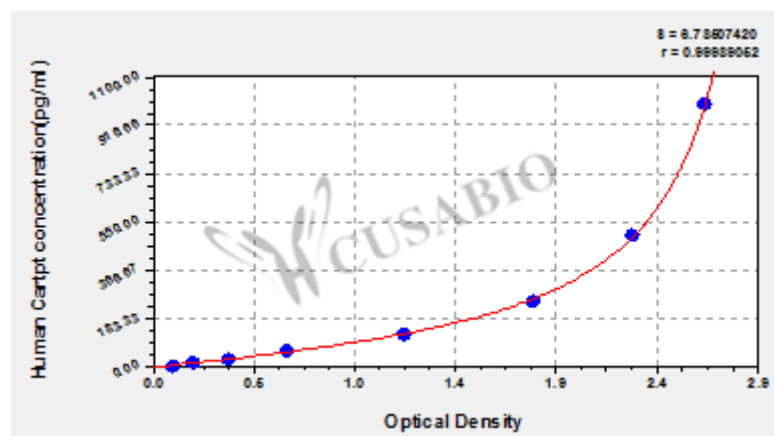
Recovery

The recovery of human Cartpt 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	89-98
EDTA plasma (n=4)	94	90-98

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	2.598	2.627	2.613	2.508
500	2.248	2.296	2.272	2.167
250	1.811	1.795	1.803	1.698
125	1.186	1.201	1.194	1.089
62.5	0.643	0.639	0.641	0.536
31.2	0.368	0.359	0.364	0.259
15.6	0.194	0.202	0.198	0.093
0	0.103	0.106	0.105	?

Msds

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