





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 protein (Cartpt) 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%-28% Three sampl		
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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
1.1	Range %	84-99
1:2	Average %	88
1.2	Range %	81-97
1:4	Average %	95
1.4	Range %	92-100
1:8	Average %	94
	Range %	86-98

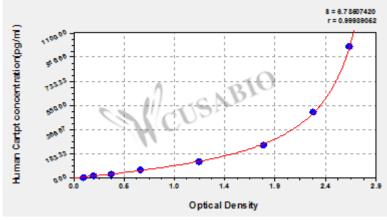
Recovery

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

	U	'
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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