



Human Centromere protein K(CENPK) ELISA kit

Product Code	CSB-EL005214HU
Abbreviation	CENPK
Target Name	centromere protein K
Uniprot No.	Q9BS16
Alias	AF5alpha, CENP-K, FKSG14, P33, Solt, OTTHUMP00000161888 SoxLZ/Sox6 leucine zipper binding protein SoxLZ/Sox6-binding protein Solt leucine zipper protein FKSG14
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.8 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	CENPK
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human CENPK ELISA Kit was designed for the quantitative measurement of Human CENPK protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>
Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of human CENPK 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 %	88-97
1:2	Average %	100
	Range %	90-105
1:4	Average %	92
	Range %	85-96
1:8	Average %	92
	Range %	84-96

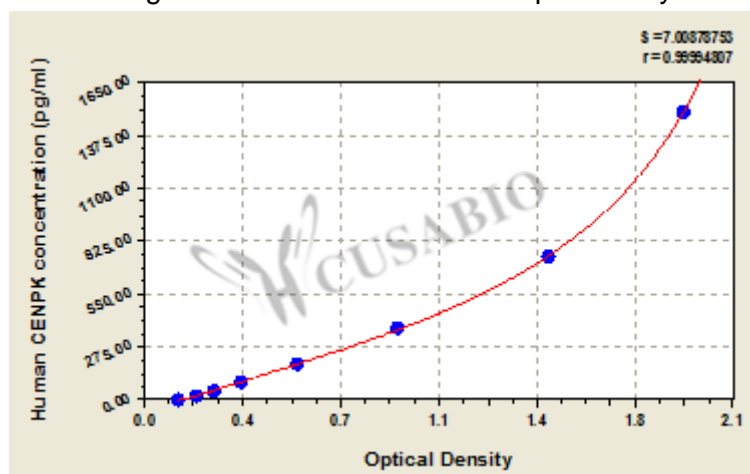
Recovery

The recovery of human CENPK 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)	91	85-95
EDTA plasma (n=4)	99	90-102

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
1500	1.889	1.966	1.928	1.798
750	1.426	1.476	1.451	1.321
375	0.921	0.900	0.911	0.781
187.5	0.566	0.543	0.555	0.425
94	0.369	0.345	0.357	0.227
47	0.259	0.263	0.261	0.131
23.5	0.199	0.192	0.196	0.066
0	0.131	0.129	0.130	

Msds

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