



Human C -type natriuretic peptide,CNP ELISA Kit

Product Code	CSB-E08909h
Abbreviation	NPPC
Protein Biological Process 1	Developmental Protein
Target Name	natriuretic peptide precursor C
Uniprot No.	P23582
Alias	CNP, OTTHUMP00000203815
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Osteogenesis
Sample Types	serum, plasma, cell culture supernates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 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	NPPC
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human NPPC ELISA Kit was designed for the quantitative measurement of Human NPPC protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 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 CNP 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 %	104
	Range %	92-108
1:2	Average %	100
	Range %	92-104
1:4	Average %	90
	Range %	83-94
1:8	Average %	96
	Range %	88-100

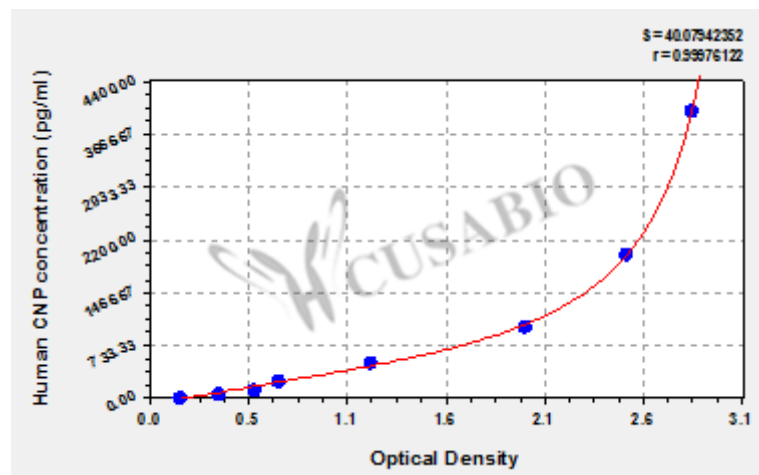
Recovery

The recovery of human CNP 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)	90	81-94
EDTA plasma (n=4)	107	97-112

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
4000	2.824	2.898	2.861	2.689
2000	2.574	2.463	2.519	2.347
1000	1.982	1.986	1.984	1.812
500	1.163	1.192	1.178	1.006
250	0.678	0.702	0.690	0.518
125	0.572	0.561	0.567	0.395
62.5	0.381	0.372	0.377	0.205
0	0.174	0.170	0.172	?

Msds

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