



Human Apelin ELISA kit

Product Code	CSB-E14334h
Abbreviation	APLN
Target Name	apelin
Uniprot No.	Q9ULZ1
Alias	XNPEP2, apelin, AGTRL1 ligand peptide ligand for APJ receptor
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell culture supernates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	APLN
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human APLN ELISA Kit was designed for the quantitative measurement of Human APLN protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 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 apelin 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 %	96
	Range %	91-104



1:2	Average %	90
	Range %	84-96
1:4	Average %	86
	Range %	82-92
1:8	Average %	101
	Range %	98-106

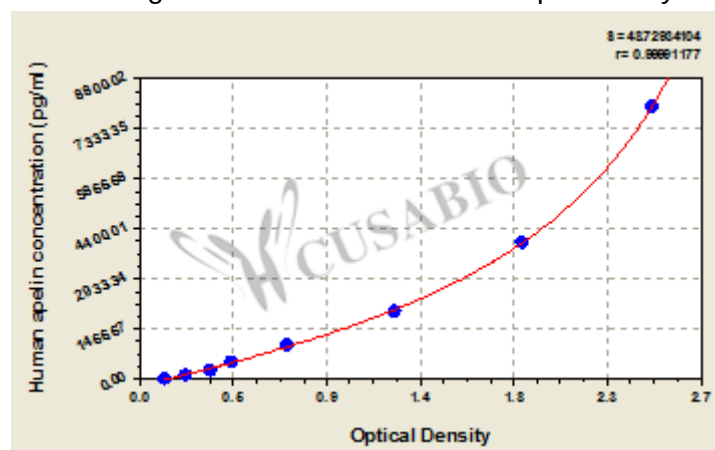
Recovery

The recovery of human apelin 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)	94	89-97
EDTA plasma (n=4)	99	94-105

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
8000	2.532	2.432	2.482	2.354
4000	1.904	1.804	1.854	1.726
2000	1.287	1.187	1.237	1.109
1000	0.726	0.716	0.721	0.593
500	0.457	0.447	0.452	0.324
250	0.355	0.345	0.350	0.222
125	0.237	0.227	0.232	0.104
0	0.129	0.127	0.128	?

Msds

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