



Human apelin 12,AP12 ELISA Kit

Product Code	CSB-E08639h
Abbreviation	AP12
Target Name	apelin 12,AP12
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, saliva, urine, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	APLN
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human AP12 ELISA Kit was designed for the quantitative measurement of Human AP12 protein in serum, plasma, saliva, urine, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 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 AP12 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 %	90-95
1:2	Average %	87
	Range %	84-90
1:4	Average %	84
	Range %	81-87



1:8	Average %	93
	Range %	90-96

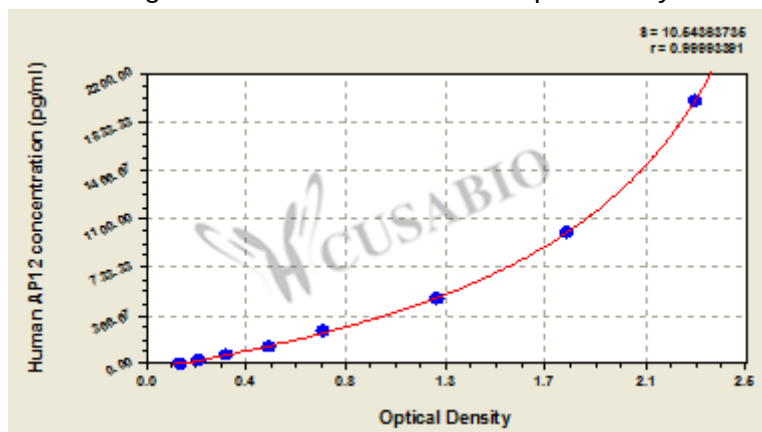
Recovery

The recovery of human AP12 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)	107	103-110
EDTA plasma (n=4)	89	85-92

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
2000	2.277	2.304	2.291	2.134
1000	1.770	1.750	1.760	1.603
500	1.243	1.204	1.224	1.067
250	0.729	0.768	0.749	0.592
125	0.514	0.535	0.525	0.368
62.5	0.346	0.351	0.349	0.192
31.25	0.223	0.242	0.233	0.076
0	0.156	0.158	0.157	

Msds

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