



Human apelin 36(AP36)ELISA Kit

Product Code	CSB-E13566h
Abbreviation	AP36
Target Name	apelin 36(AP36)
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	22.86 pg/mL-400 pg/mL
Sensitivity	14.29 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 AP36 ELISA Kit was designed for the quantitative measurement of Human AP36 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 22.86 pg/mL-400 pg/mL and the sensitivity is 14.29 pg/mL.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<15%
 Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<15%
 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 AP36 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 %	102
	Range %	89-106
1:2	Average %	95
	Range %	92-99
1:4	Average %	88
	Range %	85-92



1:8	Average %	99
	Range %	95-103

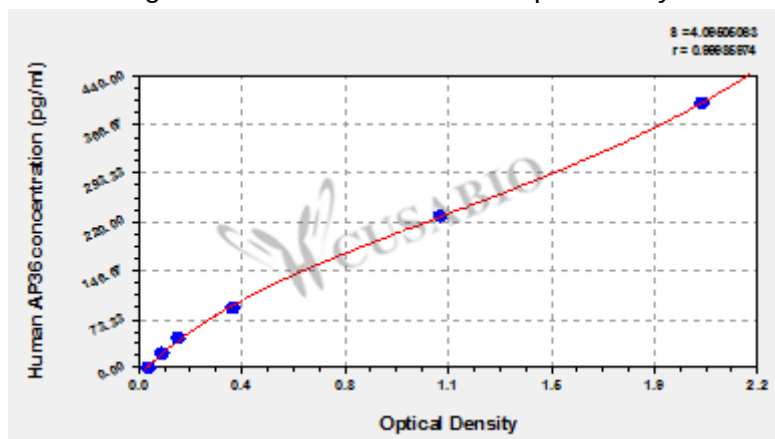
Recovery

The recovery of human AP36 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)	104	100-108
EDTA plasma (n=4)	93	91-97

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
400	2.128	1.958	2.043	2.007
228.5	1.114	1.070	1.092	1.056
91.4	0.336	0.344	0.340	0.304
45.7	0.144	0.150	0.147	0.111
22.86	0.082	0.084	0.083	0.047
0	0.035	0.036	0.036	

Msds

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