



Mouse Apelin ELISA kit

Product Code	CSB-E12027m									
Abbreviation	APLN									
Target Name	apelin									
Uniprot No.	Q9R0R4									
Alias	XNPEP2, apelin, AGTRL1 ligand peptide ligand for APJ receptor									
Product Type	ELISA Kit									
Immunogen Species	Mus musculus (Mouse)									
Sample Types	serum, plasma, 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	Neuroscience									
Gene Names	Apln									
Tag Info	quantitative									
Protein Description	Sandwich									
Description	This Mouse APLN ELISA Kit was designed for the quantitative measurement of Mouse APLN protein in serum, plasma, 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 mouse apelin in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td></td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>98</td></tr><tr><td>Range %</td><td>94-102</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	98	Range %	94-102
	Sample	Serum(n=4)								
1:1	Average %	98								
	Range %	94-102								



1:2	Average %	91
	Range %	86-97
1:4	Average %	90
	Range %	85-94
1:8	Average %	94
	Range %	90-100

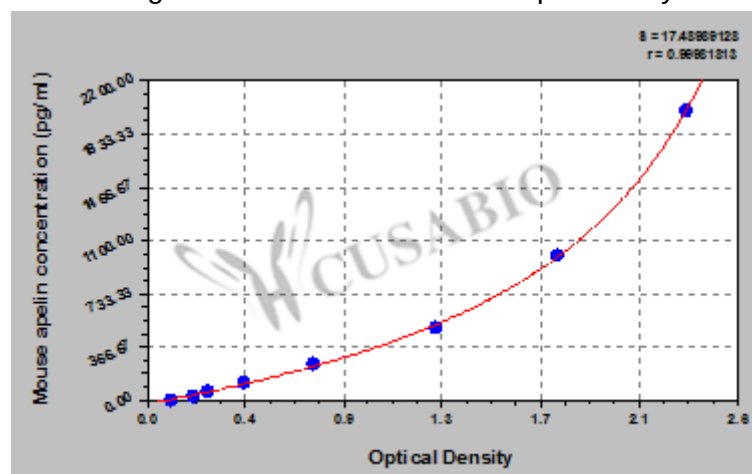
Recovery

The recovery of mouse 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)	102	97-109
EDTA plasma (n=4)	96	91-103

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	2.387	2.272	2.330	2.216
1000	1.721	1.832	1.777	1.663
500	1.273	1.239	1.256	1.142
250	0.709	0.743	0.726	0.612
125	0.412	0.441	0.427	0.313
62.5	0.264	0.278	0.271	0.157
31.25	0.205	0.214	0.210	0.096
0	0.116	0.112	0.114	

Msds

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