Mouse Amylin ELISA Kit

Product Code	CSB-E08538m
Abbreviation	IAPP
Target Name	islet amyloid polypeptide
Uniprot No.	P12968
Alias	AMYLIN, DAP, IAP, Islet amyloid polypeptide (diabetes-associated peptide; amylin)
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 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	Signal Transduction
Gene Names	Iapp
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse IAPP ELISA Kit was designed for the quantitative measurement of Mouse IAPP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/mL.
Target Details	Islet, or insulinoma, amyloid polypeptide is commonly found in pancreatic islets of patients suffering diabetes mellitus type II, or harboring an insulinoma. While the assosciation of amylin with the development of type II diabetes has been known for some time, a direct causative role for amylin has been harder to establish. Studies suggest that amylin, like the related beta-amyloid (Abeta) associated with Alzheimer s disease, can induce apoptotic cell-death in particular cultured cells, an effect that may be relevant to the development of type II diabetes.
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 amylin 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 %	107
	Range %	103-110
1:2	Average %	89
	Range %	85-93
1:4	Average %	102
	Range %	98-106
1:8	Average %	85
	Range %	81-89

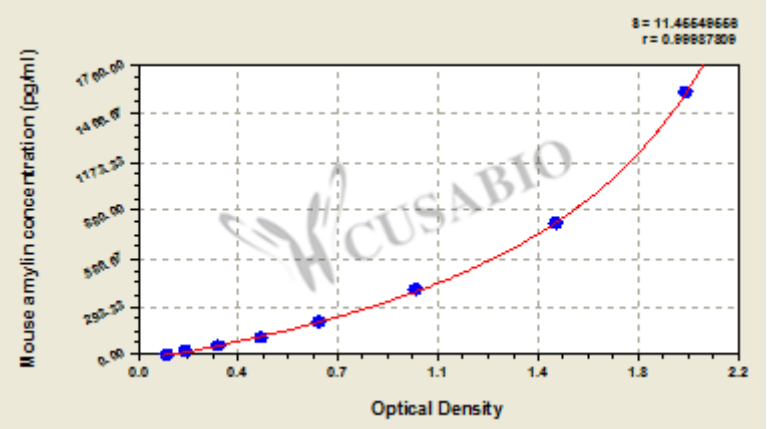
Recovery

The recovery of mouse amylin 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)	99	95-103
EDTA plasma (n=4)	86	83-89

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
1600	1.949	2.012	1.981	1.868
800	1.523	1.502	1.513	1.400
400	1.021	0.998	1.010	0.897
200	0.653	0.672	0.663	0.550
100	0.465	0.438	0.452	0.339
50	0.297	0.301	0.299	0.186
25	0.183	0.180	0.182	0.069
0	0.112	0.114	0.113	?

Msds

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