Mouse Glucose-dependent insulin-releasing polypeptide,GIP ELISA Kit

Product Code	CSB-E08486m
Abbreviation	GIP
Target Name	gastric inhibitory polypeptide
Uniprot No.	P48756
Alias	glucose-dependent insulinotropic polypeptide
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 ng/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	Gip
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse GIP ELISA Kit was designed for the quantitative measurement of Mouse GIP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/mL.
Target Details	This gene encodes an incretin hormone and belongs to the glucagon superfamily. The encoded protein is important in maintaining glucose homeostasis as it is a potent stimulator of insulin secretion from pancreatic beta-cells following food ingestion and nutrient absorption. This gene stimulates insulin secretion via its G protein-coupled receptor activation of adenylyl cyclase and other signal transduction pathways. It is a relatively poor inhibitor of gastric acid secretion.
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 GIP 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 %	88
	Range %	84-92
1:2	Average %	97
	Range %	94-101
1:4	Average %	102
	Range %	97-108
1:8	Average %	94
	Range %	89-98

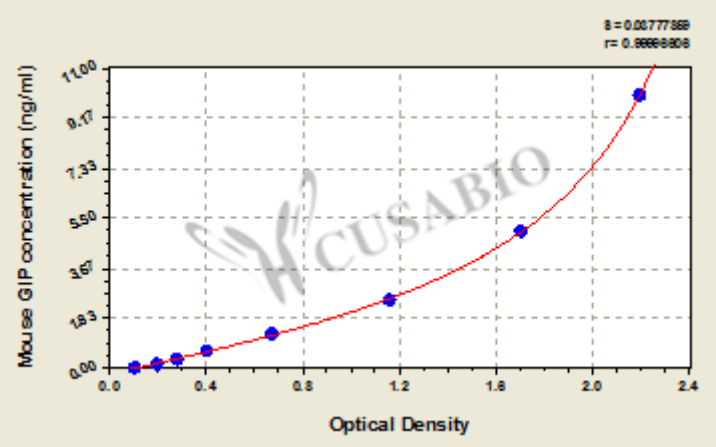
Recovery

The recovery of mouse GIP 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	98-107
EDTA plasma (n=4)	93	82-97

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
10	2.134	2.257	2.196	2.080
5	1.675	1.739	1.707	1.591
2.5	1.144	1.185	1.165	1.049
1.25	0.672	0.696	0.684	0.568
0.625	0.404	0.423	0.414	0.298
0.312	0.288	0.293	0.291	0.175
0.156	0.202	0.209	0.206	0.090
0	0.115	0.117	0.116	?

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