



Mouse Insulin,INS ELISA Kit

Product Code	CSB-E05071m
Abbreviation	INS
Target Name	Insulin,INS
Uniprot No.	P01325
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, cell culture supernates, tissue homogenates, cell lysates
Detection Range	15.6 nIU/mL-1000 nIU/mL
Sensitivity	3.9 nIU/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	Metabolism
Gene Names	Ins1
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse INS ELISA Kit was designed for the quantitative measurement of Mouse INS protein in serum, plasma, cell culture supernates, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 15.6 nIU/mL-1000 nIU/mL and the sensitivity is 3.9 nIU/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 INS 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)
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1:100	Average %	90
	Range %	84-95
1:200	Average %	93
	Range %	90-96
1:400	Average %	95
	Range %	90-100
1:800	Average %	94
	Range %	87-99

Recovery

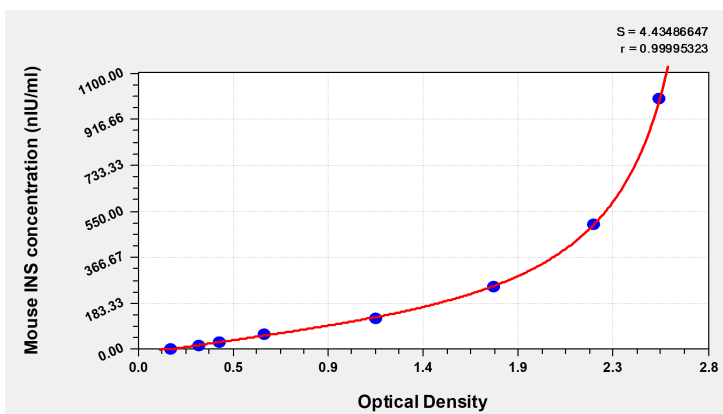
The recovery of mouse INS spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Serum (n=5)	98	92-102
EDTA plasma (n=4)	89	82-96

Sample Type Average % Recovery Range

Typical

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



nIU/ml.	OD1	OD2	Average	Corrected
1000	2.546	2.598	2.572	2.396
500	2.231	2.267	2.249	2.073
250	1.745	1.769	1.757	1.581
125	1.198	1.163	1.181	1.005
62.5	0.648	0.628	0.638	0.462
31.2	0.426	0.407	0.417	0.241
15.6	0.302	0.326	0.314	0.138
0	0.173	0.179	0.176	?

MsdS

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