

ARG82577 Mouse C Peptide ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG82577 Mouse C Peptide ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse C Peptide in serum and plasma.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	Cross-Reactivity: Mouse C Peptide I and II: 100% Rat C Peptide I: 80% Rat C Peptide II: 120% Human C Peptide: Not detected
Target Name	C Peptide
Conjugation	HRP
Conjugation Note	Read at 450 nm.
Sensitivity	0.1 ng/ml
Detection Range	Dynamic Range: 0.1 - 6.4 ng/ml
Sample Type	Serum and plasma.
Sample Volume	5 µl
Precision	CV: less than 10%
Alternate Names	IDDM; IDDM2; IDDM1; ILPR; MODY10; Insulin; IRDN

Application Instructions

Assay Time	~ 2.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

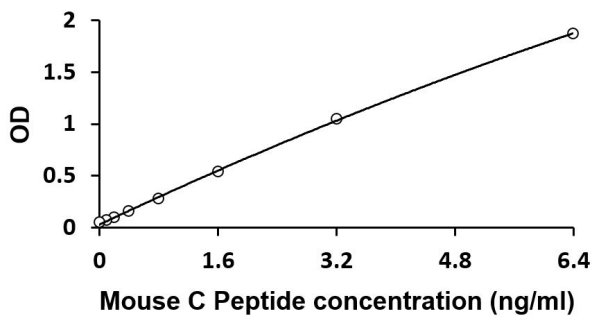
Bioinformation

Gene Symbol	INS
Gene Full Name	insulin
Background	After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form

insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]

Function	Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. [UniProt]
Highlight	Related products: C Peptide antibodies ; C Peptide ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82577 Mouse C Peptide ELISA Kit standard curve image

ARG82577 Mouse C Peptide ELISA Kit results of a typical standard run with optical density reading at 450 nm.