

ARG82577 Mouse C Peptide ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| 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: < 10% |
| Alternate Names | IDDM; IDDM2; IDDM1; ILPR; MODY10; Insulin; IRDN |

Application Instructions

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| Assay Time | ~ 2.5 hours |
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Properties

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| 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. |

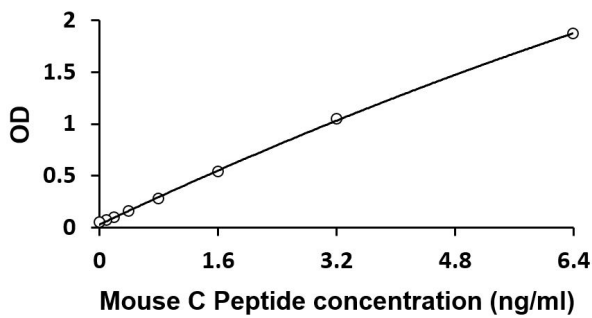
Bioinformation

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| 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]

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| 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.