

Product datasheet

info@arigobio.com

ARG82313 Human Insulin ELISA Kit

Package: 96 wells Store at: 4°C

Summary

Product Description ARG82313 Human Insulin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human

Insulin in serum and plasma (heparin, EDTA).

Tested Reactivity Hu

Tested Application ELISA

Specificity Cross-Reactivity:

Insulin: 100% Glargine: 104% Aspart: 94% Lispro: 108% Proinsulin: 1.2% C-peptide: 0%

Target Name Insulin
Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 0.9 mU/l

Sample Type Serum and plasma (heparin, EDTA).

Standard Range 8.7 - 245 mU/l

Sample Volume $25 \mu l$

Precision CV: 6.5%

Alternate Names IDDM; IDDM2; IDDM1; ILPR; MODY10; Insulin; IRDN

Application Instructions

Assay Time ~ 2.5 hours

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]

Alternative splicing results in multiple transcript variants. [provided by kerseq, 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]

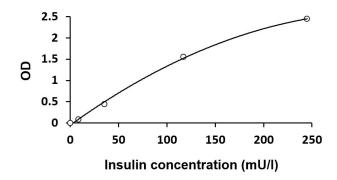
Highlight Related products:

Insulin antibodies; Insulin ELISA Kits; Insulin Duos / Panels; Insulin recombinant proteins;

New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Cellular Localization Secreted. [UniProt]

Images



ARG82313 Human Insulin ELISA Kit standard curve image

ARG82313 Human Insulin ELISA Kit results of a typical standard run with optical density reading at 450 nm.