

Mouse Insulin ELISA Kit | INS elisa kit

Insulin (Mouse), ELISA, 96 well

CATALOG #
AAA72632

REACTIVITY
Mouse

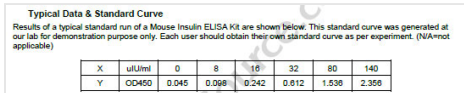
PRODUCT SYNONYMS

Insulin; Insulin (Mouse); ELISA; 96 well; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	110
Samples	Mouse Serum, Plasma Or Cell
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Preparation and Storage	2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit

Intended Uses: For detection of IL-7 in mouse serum, plasma or cell. For research use only.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-7 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-7 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IL-7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-7 can be calculated!!
Background/Introduction: Interleukin 7(IL-7) is a hematopoietic growth factor secreted by stromal cells in the red marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells. IL-7 is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRbeta) during early T cell development. IL-7 promotes hematological malignancies (acute lymphoblastic leukemia, T cell lymphoma), and the elevated levels of IL-7 have also been detected in the plasma of HIV-infected patients.

Product Categories/Family for INS elisa kit

[Diabetes & Obesity](#); [Research Assays](#); [Assay Categories](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	386828
NCBI GeneID	3630
Molecular Weight	21,537 Da
NCBI Official Full Name	insulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin; preproinsulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/insulin/72632>