

Rabbit Insulin (INS) ELISA Kit | INS elisa kit

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CATALOG # AAA68323	REACTIVITY Rabbit
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PRODUCT SYNONYMS

Insulin (INS); Rabbit Insulin (INS) ELISA Kit; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of INHA. No significant cross-reactivity or interference between INHA and analogues was observed.
Sequence Length	110
Samples	Mouse Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates And Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	12.35-1,000pg/mL
Sensitivity	5.11pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level INHA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level INHA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of INHA in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to INHA has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled INHA and unlabeled INHA (Standards or samples) with the pre-coated antibody specific to INHA. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of INHA in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of INHA in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723332
NCBI GeneID	100009181
NCBI Accession #	NP_001075804.1
NCBI GenBank Nucleotide #	NM_001082335.1

UniProt Accession #	P01311
Molecular Weight	11,838 Da
NCBI Official Full Name	insulin
NCBI Official Symbol	INS
NCBI Protein Information	insulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS

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://stage.aaabiotech.com/rabbit-elisa-kits/insulin-ins/68323>