

Mouse Insulin ELISA Kit | INS elisa kit

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CATALOG #
AAA191772

REACTIVITY
Mouse

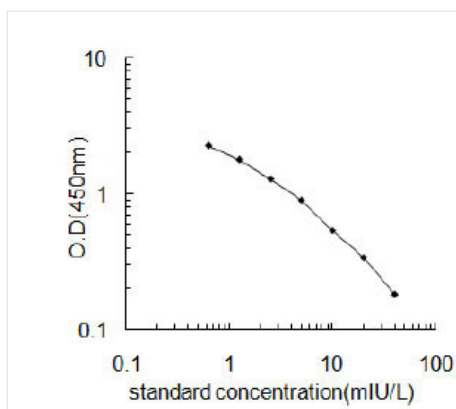
PRODUCT SYNONYMS

Insulin; Mouse Insulin ELISA Kit; Mus musculus; INS; Ins; Ins-1; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Recombinant and natural Mouse Insulin-1
Sequence Length	108
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.625-40 mIU/L
Sensitivity	< 0.312 mIU/L
Intra-assay Precision	<=5.9%
Inter-assay Precision	<=10.2%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen, During the reaction, target antigen in the sample or standard competes with a fixed amount of biotin-labeled target antigen for sites on a pre-coated antibody specific to target antigen. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117606345
NCBI GeneID	16333
NCBI Accession #	NP_032412.3
NCBI GenBank Nucleotide #	NM_008386.4
UniProt Accession #	P01325; Q9D907
Molecular Weight	12,160 Da
NCBI Official Full Name	insulin-1 preproprotein
NCBI Official Synonym Full Names	insulin I
NCBI Official Symbol	Ins1
NCBI Official Synonym Symbols	Ins-1; Ins2-rs1
NCBI Protein Information	insulin-1
UniProt Protein Name	Insulin-1
UniProt Gene Name	Ins1
UniProt Synonym Gene Names	Ins-1
UniProt Entry Name	INS1_MOUSE

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.