

Chicken INS ELISA Kit | INS elisa kit

Chicken INS (Insulin) ELISA Kit

CATALOG # AAA166099	REACTIVITY Chicken
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This kit recognizes Chicken INS in samples. No significant cross-reactivity or interference between Chicken INS and analogues was observed.
Sequence Length	110
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Chicken INS were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Chicken INS were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Chicken INS. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Chicken INS and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Chicken INS, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The OD value is proportional to the concentration of Chicken INS. You can calculate the concentration of Chicken INS in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Chicken INS concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	631226408
NCBI GeneID	3630
NCBI Accession #	NP_001278826.1

NCBI GenBank Nucleotide #	NM_001291897.1
Molecular Weight	21,537 Da
NCBI Official Full Name	insulin preproprotein
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/chicken-elisa-kits/ins/166099>