

Chicken Insulin ELISA Kit | INS elisa kit

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CATALOG #
AAA57125

REACTIVITY
Chicken

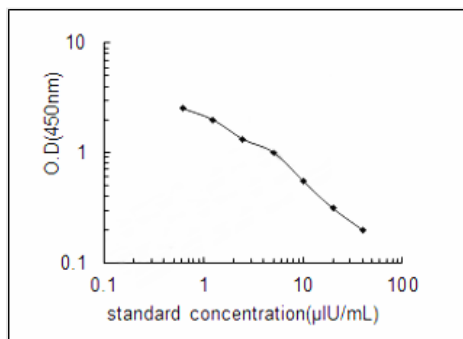
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay recognizes recombinant and natural ChickenInsulin. No significant cross-reactivity or interference was observed.
Sequence Length	107
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Assay Type	Competitive
Detection Range	0.62-40.0uIU/mL.
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 chickenInsulinconcentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassaytechnique. The microtiter plate provided in this kit has been pre-coated with an antibody specific toInsulin. During the reaction,Insulinin the sample or standard competes with a fixed amount of biotin-labeledInsulin for sites on a pre-coated Monoclonal antibody specific to Insulin. 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. Thena 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 Insulin in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45382573
NCBI GeneID	396145
NCBI Accession #	NP_990553.1
NCBI GenBank Nucleotide #	NM_205222.3
UniProt Accession #	P67970; P01332; Q53YX4
Molecular Weight	11,981 Da
NCBI Official Full Name	insulin preproinsulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Protein Information	insulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_CHICK

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/ins-chicken-elisa-kits/insulin/57125>