

Chicken Insulin ELISA Kit | INS elisa kit

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CATALOG #
AAA247066

REACTIVITY
Chicken

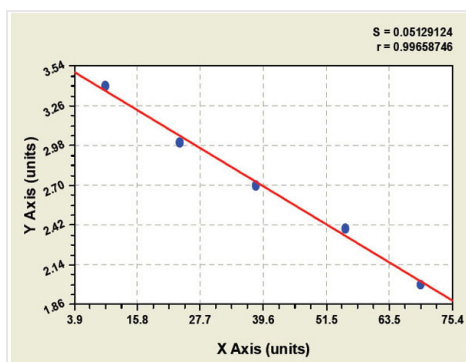
PRODUCT SYNONYMS

Insulin; Chicken Insulin ELISA Kit; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This INS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken INS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit

Principle of the assay: INS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-INS antibody and an INS-HRP conjugate. The assay sample and buffer are incubated together with INS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the INS concentration since INS from samples and INS-HRP conjugate compete for the anti-INS antibody binding site. Since the number of sites is limited, as more sites are occupied by INS from the sample, fewer sites are left to bind INS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The INS concentration in each sample is interpolated from this standard curve.

Product Categories/Family for INS elisa kit

Neuroscience

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	ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin; proinsulin; preproinsulin; insulin-dependent diabetes mellitus 2
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/insulin/247066>