

Cat insulin ELISA Kit | INS elisa kit

Cat insulin (INS) ELISA Kit

CATALOG # AAA55867	REACTIVITY Cat
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PRODUCT SYNONYMS

insulin; Cat insulin (INS) ELISA Kit; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Cat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cat INS. No significant cross-reactivity or interference between Cat INS and analogues was observed.
Sequence Length	110
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	1.56 uIU/mL - 100 uIU/mL
Sensitivity	0.52 uIU/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitative INS in Cat serum, plasma. An antibody specific for INS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any INS present is bound by the immobilized antibody. After removing any unbound substances, a biotin - conjugated antibody specific for INS is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of INS bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Cat Insulin (INS) concentration in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57163807
NCBI GeneID	493804
NCBI Accession #	NP_001009272.1
NCBI GenBank Nucleotide #	NM_001009272.1
UniProt Accession #	P06306; Q8WNW6

Molecular Weight	12,069 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://www.aaabiotech.com/ins-cat-elisa-kits/insulin/55867>