

Dog Insulin (INS) ELISA Kit | INS elisa kit

Canine Insulin (INS) ELISA Kit

CATALOG # AAA68416	REACTIVITY Dog
------------------------------	--------------------------

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of INS. No significant cross-reactivity or interference between INS and analogues was observed.
Sequence Length	110
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	3.125-200ng/mL
Sensitivity	<1.16ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level INS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level INS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of INS in canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to INS has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled INS and unlabeled INS (Standards or samples) with the pre-coated antibody specific to INS. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of INS in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of INS in the sample.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	194272230
NCBI GeneID	483665
NCBI Accession #	NP_001123565.1
NCBI GenBank Nucleotide #	NM_001130093.2
UniProt Accession #	P01321

Molecular Weight	12,190 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/dog-elisa-kits/insulin-ins/68416>