

Canine Insulin ELISA Kit | INS elisa kit

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CATALOG #
AAA91304

REACTIVITY
Canine

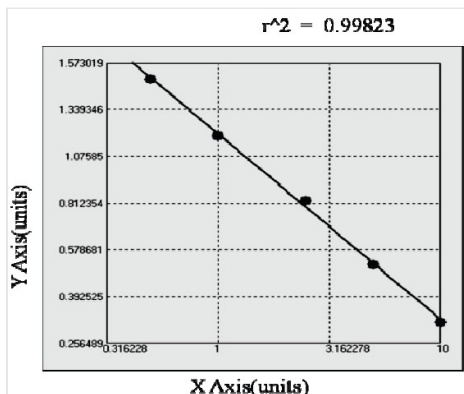
PRODUCT SYNONYMS

Insulin; Canine Insulin ELISA Kit; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This INS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine INS. This ELISA kit for research use only! 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.
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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.