

Rat Insulin ELISA Kit | INS elisa kit

Insulin: Rat, Ultra sensitive (ELISA)

CATALOG #
AAA60556

REACTIVITY
Rat

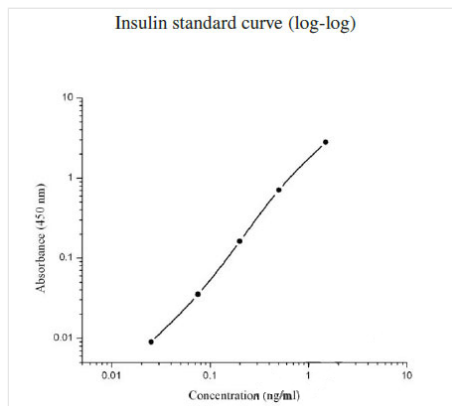
PRODUCT SYNONYMS

Insulin; Insulin: Rat; Ultra sensitive (ELISA); Ultra sensitive rat insulin; INS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	110
Samples	Rat serum, plasma and fluid
Sensitivity	0.025 ng/ml
Intra-assay Precision	C.V. < 10%.
Inter-assay Precision	C.V. <10%.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INS elisa kit

Principle of the Assay: This assay is a two-site ELISA. The micro-plate is pre-coated with a monoclonal antibody against insulin. Standards and samples are added into the wells and coincubated with a monoclonal antibody conjugated to horseradish peroxidase (HRP) enzyme. After wash step to remove any unbound substances, TMB substrate is added and colour develops in proportion to the amount of insulin bound initially. The assay is stopped and the optical density of the wells determined using a micro-plate reader. Since the increases in absorbance are directly proportional to the amount of captured insulin, the unknown sample concentration can be interpolated from a reference curve included in each assay.

References

1. Molecular mechanisms of insulin resistance in diabetes. Soumaya K. Adv Exp Med Biol. 2012;771:240-51.
2. The links between insulin resistance, diabetes, and cancer. Orgel E, Mittelman SD. Curr Diab Rep. 2013 13(2):213-22

NCBI AND UNIPROT INFORMATION

NCBI GI #	386828
NCBI GeneID	3630
NCBI Official Full Name	insulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; PNDM4; MODY10
NCBI Protein Information	insulin

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/rat-elisa-kits/insulin/60556>