

Rat Insulin-degrading enzyme ELISA Kit | Ide elisa kit

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CATALOG #
AAA191424

REACTIVITY
Rat

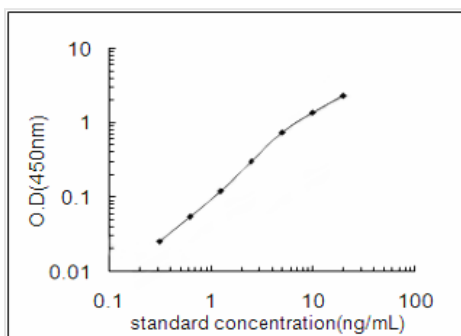
PRODUCT SYNONYMS

Insulin-degrading enzyme; Rat Insulin-degrading enzyme ELISA Kit; Insulin protease; Insulinase; Insulysin; Ide; 3.4.24.56; Ide elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Insulin-degrading enzyme. No significant cross-reactivity or interference was observed.
Sequence Length	1019
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.192 ng/mL
Intra-Assay CV	<=4.8%
Inter-Assay CV	<=7.1%
Recovery	90%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ide elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat Insulin-degrading enzyme concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Insulin-degrading enzyme. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Insulin-degrading enzyme and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Insulin-degrading enzyme, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Insulin-degrading enzyme in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981076
NCBI GeneID	25700
NCBI Accession #	NP_037291.1
NCBI GenBank Nucleotide #	NM_013159.1
UniProt Accession #	P35559
Molecular Weight	117,710 Da
NCBI Official Full Name	insulin-degrading enzyme
NCBI Official Synonym Full Names	insulin degrading enzyme
NCBI Official Symbol	Ide
NCBI Official Synonym Symbols	INSDEGM
NCBI Protein Information	insulin-degrading enzyme
UniProt Protein Name	Insulin-degrading enzyme
UniProt Gene Name	Ide
UniProt Synonym Gene Names	Insulinase
UniProt Entry Name	IDE_RAT

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://stage.aaabiotech.com/ide-rat-elisa-kits/insulin-degrading-enzyme/191424>