

Rat Insulin Degrading Enzyme (IDE) ELISA Kit | IDE elisa kit

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CATALOG #
AAA64447

REACTIVITY
Rat

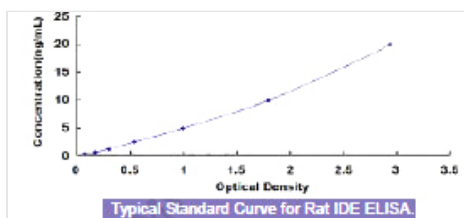
PRODUCT SYNONYMS

Insulin Degrading Enzyme (IDE); Rat Insulin Degrading Enzyme (IDE) ELISA Kit; Insulysin; Insulin Protease; Abeta-degrading protease; Insulinase; IDE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IDE. No significant cross-reactivity or interference between IDE and analogues was observed.
Sequence Length	1019
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.129ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IDE 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 IDE were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDE elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IDE in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IDE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IDE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IDE, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IDE 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

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.