

Mouse Insulin-degrading enzyme ELISA Kit | Ide elisa kit

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CATALOG #
AAA193430

REACTIVITY
Mouse

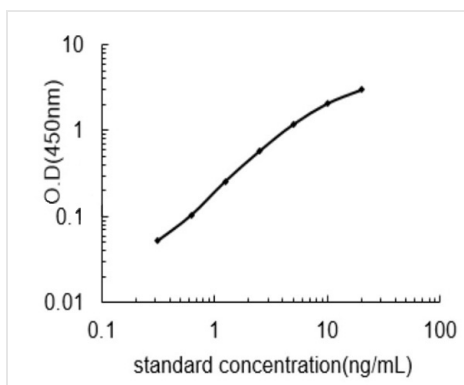
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Recombinant and natural Mouse Insulin-degrading enzyme
Sequence Length	1019
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.312-20 ng/mL
Sensitivity	< 0.189 ng/mL
Intra-assay Precision	<=5.3%
Inter-assay Precision	<=7.9%
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	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then 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 target antigen, 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 target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.
References	Insulin supplementation attenuates cancer-induced cardiomyopathy and slows tumor disease progression. James T. Thackeray, Stefan Pietzsch, Britta Stapel, Melanie Ricke-Hoch, Chun-Wei Lee, Jens P. Bankstahl, Michaela Scherr, Jörg Heineke, Gesine Scharf, Arash Haghikia, Frank M. Bengel, and Denise Hilfiker-Kleiner (2017)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14548072
NCBI GeneID	15925
UniProt Accession #	Q9JHR7
Molecular Weight	117,772 Da
NCBI Official Full Name	Insulin-degrading enzyme
NCBI Official Synonym Full Names	insulin degrading enzyme
NCBI Official Symbol	Ide
NCBI Official Synonym Symbols	AA675336; AI507533; 1300012G03Rik; 4833415K22Rik
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_MOUSE

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-mouse-elisa-kits/insulin-degrading-enzyme/193430>