

Human IDE ELISA Kit | IDE elisa kit

Human IDE (Insulin Degrading Enzyme) ELISA Kit

CATALOG #
AAA164795

REACTIVITY
Human

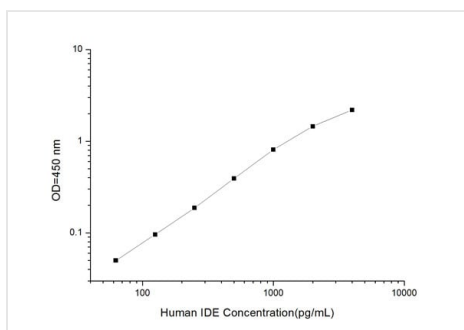
PRODUCT SYNONYMS

IDE; Human IDE (Insulin Degrading Enzyme) ELISA Kit; IDE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human IDE in samples. No significant cross-reactivity or interference between Human IDE and analogues was observed.
Sequence Length	464
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	62.5-4000pg/mL
Sensitivity	37.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human IDE were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human IDE were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDE elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human IDE. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human IDE and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human IDE, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human IDE. You can calculate the concentration of Human IDE in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human IDE concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260099676
NCBI GeneID	3416
NCBI Accession #	NP_001159418.1
NCBI GenBank Nucleotide #	NM_001165946.1
UniProt Accession #	P14735; Q5T5N2; B2R721; B7ZAU2; D3DR35
Molecular Weight	54,240 Da
NCBI Official Full Name	insulin-degrading enzyme isoform 2
NCBI Official Synonym Full Names	insulin-degrading enzyme
NCBI Official Symbol	IDE
NCBI Official Synonym Symbols	INSULYSIN
NCBI Protein Information	insulin-degrading enzyme; Abeta-degrading protease; insulin protease; insulinase
UniProt Protein Name	Insulin-degrading enzyme
UniProt Gene Name	IDE
UniProt Synonym Gene Names	Insulinase
UniProt Entry Name	IDE_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.