

Human Trehalase (TREH) ELISA Kit | TREH elisa kit

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CATALOG #
AAA68733

REACTIVITY
Human

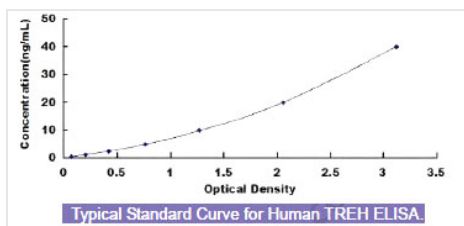
PRODUCT SYNONYMS

Trehalase (TREH); Human Trehalase (TREH) ELISA Kit; TRE; TREA; Brush Border Membrane Glycoprotein; Alpha; Alpha-Trehalase; Alpha-Trehalose Glucohydrolase; TREH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TREH. No significant cross-reactivity or interference between TREH and analogues was observed.
Sequence Length	552
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	<0.224ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TREH 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 TREH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TREH elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TREH in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TREH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TREH. 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 TREH, 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 TREH 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 #	666638012
NCBI GeneID	11181
NCBI Accession #	NP_001287994.1
NCBI GenBank Nucleotide #	NM_001301065.1
UniProt Accession #	O43280; Q32MB9; Q53FY8
Molecular Weight	62,941 Da
NCBI Official Full Name	trehalase isoform 2
NCBI Official Synonym Full Names	trehalase
NCBI Official Symbol	TREH
NCBI Official Synonym Symbols	TRE; TREA; TREHD
NCBI Protein Information	trehalase
UniProt Protein Name	Trehalase
UniProt Gene Name	TREH
UniProt Synonym Gene Names	TREA

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.