

Mouse Trehalase (TREH) ELISA Kit | TREH elisa kit

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CATALOG #
AAA332074

REACTIVITY
Mouse

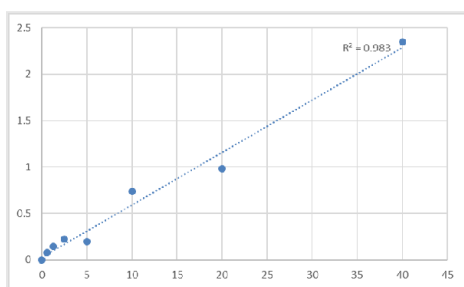
PRODUCT SYNONYMS

Trehalase (TREH); Mouse Trehalase (TREH) ELISA Kit; TREH; MGC129621; TRE; TREA; alpha; alpha-trehalase; alpha-trehalose glucohydrolase; trehalase; TREH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Trehalase (TREH) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TREH. No significant cross-reactivity or interference between Mouse TREH and analogues was observed.
Sequence Length	576
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Trehalase (TREH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TREH elisa kit	Description: This Mouse Trehalase (TREH) ELISA Kit employs a two-site sandwich ELISA to quantitate TREH in samples. An antibody specific for TREH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TREH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TREH is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TREH bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Trehalose (1-alpha-D-glucopyranosyl alpha-D-glucopyranoside) is widely distributed in nature, being the storage disaccharide of fungi and the blood sugar of insects. Trehalase (EC 3.2.1.28) is an intrinsic glycoprotein of the small intestine and renal brush border membranes that hydrolyzes trehalose to 2 glucose molecules. The deduced 583-amino acid protein has a calculated molecular mass of 66.6 kD. It has an N-terminal signal peptide, 5 potential N-glycosylation sites, and a C-terminal hydrophobic region for glycosylphosphatidylinositol (GPI) attachment. Northern blot analysis detected a 2.0-kb transcript mainly in kidney, liver, and small intestine. The trehalase signature sequence from amino acids 162 to 175 of mouse Treh shares 100% identity with the corresponding region in human TREH.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10946884
NCBI GeneID	58866
NCBI Accession #	NP_067456.1
NCBI GenBank Nucleotide #	NP_067456.1
UniProt Accession #	Q9JLT2
NCBI Official Full Name	trehalase isoform 1
NCBI Official Synonym Full Names	trehalase (brush-border membrane glycoprotein)
NCBI Official Symbol	Treh
NCBI Official Synonym Symbols	2210412M19Rik
NCBI Protein Information	trehalase
UniProt Protein Name	Trehalase
UniProt Gene Name	Treh

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.