

Mouse Tripeptidyl Peptidase I (TPP1) ELISA Kit | TPP1 elisa kit

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CATALOG #
AAA65561

REACTIVITY
Mouse

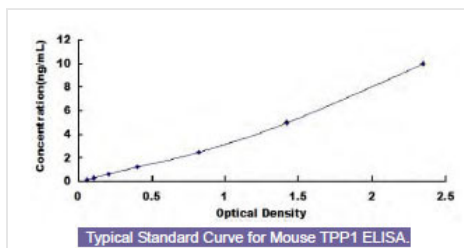
PRODUCT SYNONYMS

Tripeptidyl Peptidase I (TPP1); Mouse Tripeptidyl Peptidase I (TPP1) ELISA Kit; CLN2; GIG1; LPIC; Tripeptidyl aminopeptidase; Lysosomal pepstatin-insensitive protease; Ceroid-Lipofuscinosis; Neuronal 2; Late Infantile; Cell growth-inhibiting gene 1 protein; TPP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of TPP1. No significant cross-reactivity or interference between TPP1 and analogues was observed.
Sequence Length	562
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TPP1 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 TPP1 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 TPP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TPP1 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TPP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TPP1. 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 TPP1, 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 TPP1 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 #	6753448
NCBI GeneID	12751
NCBI Accession #	NP_034036.1
NCBI GenBank Nucleotide #	NM_009906.6
UniProt Accession #	O89023; Q543Q8; Q9QUS7
Molecular Weight	61,342 Da
NCBI Official Full Name	tripeptidyl-peptidase 1 preproprotein
NCBI Official Synonym Full Names	tripeptidyl peptidase I
NCBI Official Symbol	Tpp1
NCBI Official Synonym Symbols	Cln2; LPIC; TPP-1; TPP-I
NCBI Protein Information	tripeptidyl-peptidase 1
UniProt Protein Name	Tripeptidyl-peptidase 1
UniProt Gene Name	Tpp1
UniProt Synonym Gene Names	Cln2; TPP-1; LPIC; TPP-I

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.