

Mouse Myotrophin (MTPN) ELISA Kit | MTPN elisa kit

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CATALOG #
AAA64065

REACTIVITY
Mouse

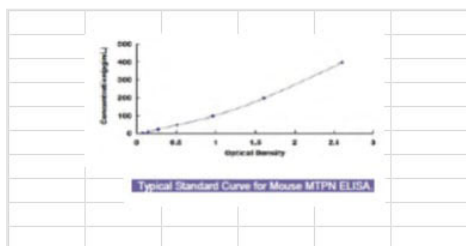
PRODUCT SYNONYMS

Myotrophin (MTPN); Mouse Myotrophin (MTPN) ELISA Kit; GCDP; V-1; Granule Cell Differentiation Protein; MTPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MTPN. No significant cross-reactivity or interference between MTPN and analogues was observed.
Sequence Length	118
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	6.25-400pg/mL
Sensitivity	2.67pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MTPN 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 MTPN 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 MTPN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MTPN in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MTPN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MTPN. 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 MTPN, 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 MTPN 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 #	6679961
NCBI GeneID	14489
NCBI Accession #	NP_032124.1
NCBI GenBank Nucleotide #	NM_008098.4
UniProt Accession #	P62774; P80144; Q543M6; Q9DCN8
Molecular Weight	12,861 Da
NCBI Official Full Name	myotrophin
NCBI Official Synonym Full Names	myotrophin
NCBI Official Symbol	Mtpn
NCBI Official Synonym Symbols	V1; Gcdp; 5033418D15Rik
NCBI Protein Information	myotrophin
UniProt Protein Name	Myotrophin
UniProt Gene Name	Mtpn
UniProt Synonym Gene Names	Gcdp

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.