

Mouse Microsomal Triglyceride Transfer Protein (MTTP) ELISA Kit | MTTP elisa kit

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CATALOG #
AAA139227

REACTIVITY
Mouse

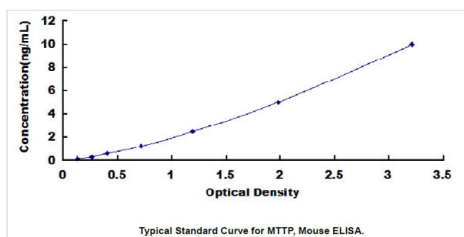
PRODUCT SYNONYMS

Microsomal Triglyceride Transfer Protein (MTTP); Mouse Microsomal Triglyceride Transfer Protein (MTTP) ELISA Kit; MTP; ABL; Microsomal triglyceride transfer protein large subunit; MTTP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MTTP. No significant cross-reactivity or interference between MTTP and analogues was observed.
Sequence Length	20
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MTTP 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 MTTP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTTP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MTTP in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MTTP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MTTP. 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 MTTP, 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 MTTP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MTTP elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4261846
NCBI GeneID	4547
Molecular Weight	2,268 Da
NCBI Official Full Name	microsomal triglyceride transfer protein, partial
NCBI Official Synonym Full Names	microsomal triglyceride transfer protein
NCBI Official Symbol	MTTP
NCBI Official Synonym Symbols	ABL; MTP
NCBI Protein Information	microsomal triglyceride transfer protein large subunit
UniProt Protein Name	Microsomal triglyceride transfer protein
UniProt Gene Name	MTP
UniProt Entry Name	Q16240_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.