

Human Metallothionein 1M (MT1M) ELISA Kit | MT1M elisa kit

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CATALOG #
AAA64772

REACTIVITY
Human

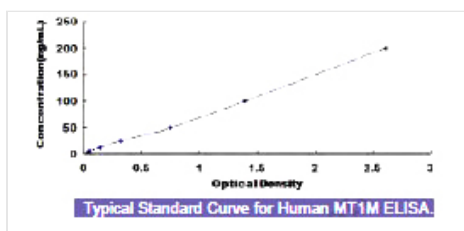
PRODUCT SYNONYMS

Metallothionein 1M (MT1M); Human Metallothionein 1M (MT1M) ELISA Kit; MT1K; MT1M elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MT1M. No significant cross-reactivity or interference between MT1M and analogues was observed.
Sequence Length	61
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	3.125-200ng/mL
Sensitivity	0.97ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MT1M 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 MT1M 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 MT1M elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MT1M in human serum, plasma, 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 MT1M. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MT1M. 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 MT1M, 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 MT1M 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 #	28866966
NCBI GeneID	4499
NCBI Accession #	NP_789846.1
NCBI GenBank Nucleotide #	NM_176870.2
UniProt Accession #	Q8N339; Q8TDN3
Molecular Weight	6,110 Da
NCBI Official Full Name	metallothionein-1M
NCBI Official Synonym Full Names	metallothionein 1M
NCBI Official Symbol	MT1M
NCBI Official Synonym Symbols	MT1; MT1K; MT-1M; MT-IM
NCBI Protein Information	metallothionein-1M
UniProt Protein Name	Metallothionein-1M
UniProt Gene Name	MT1M
UniProt Synonym Gene Names	MT1K; MT-1M; MT-IM

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.