

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

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CATALOG #
AAA188233

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 Metallothionein 1M (MT1M). No significant cross-reactivity or interference between Metallothionein 1M (MT1M) and analogues was observed.
Sequence Length	61
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.113ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Metallothionein 1M (MT1M) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Metallothionein 1M (MT1M) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% 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 MT1M elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Metallothionein 1M (MT1M). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Metallothionein 1M (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 Metallothionein 1M (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 Metallothionein 1M (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 #	NP_789846.1
UniProt Accession #	Q8N339
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.