

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

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CATALOG #
AAA149149

REACTIVITY
Human

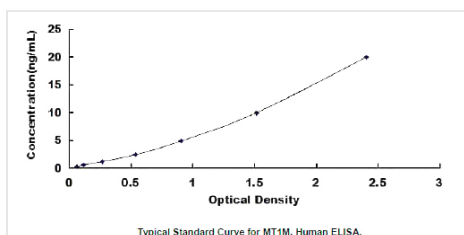
PRODUCT SYNONYMS

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 MRC1. No significant cross-reactivity or interference between MRC1 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	0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MRC1 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 MRC1 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 MT1M elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MRC1 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MRC1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MRC1. 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 MRC1, 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 MRC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MT1M elisa kit	Tumor immunity

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.