

Human Metallothionein-1A ELISA Kit | MT1A elisa kit

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CATALOG #
AAA102261

REACTIVITY
Human

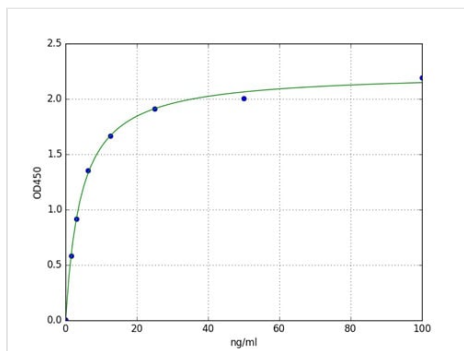
PRODUCT SYNONYMS

Metallothionein-1A; Human Metallothionein-1A ELISA Kit; MT1A/Metallothionein-1A (MT-1A)/MTNR1A; MT1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	61
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a MT1A ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.087	0.146	0.186	0.292	0.496	0.898	1.624	2.225

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT1A elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MT1A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MT1A antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MT1A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MT1A can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

71274113

NCBI GeneID	4489
NCBI Accession #	NP_005937.2
NCBI GenBank Nucleotide #	NM_005946.2
Molecular Weight	6,120 Da
NCBI Official Full Name	metallothionein-1A
NCBI Official Synonym Full Names	metallothionein 1A
NCBI Official Symbol	MT1A
NCBI Official Synonym Symbols	MT1; MTC; MT1S
NCBI Protein Information	metallothionein-1A
UniProt Protein Name	Metallothionein-1A
UniProt Gene Name	MT1A
UniProt Synonym Gene Names	MT1S; MT-1A; MT-1A
UniProt Entry Name	MT1A_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.

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Online datasheet: <https://stage.aaabiotech.com/mt1a-human-elisa-kits/metallothionein-1a/102261>