

Human Metallothionein, MT ELISA Kit | MT elisa kit

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CATALOG #
AAA80160

REACTIVITY
Human

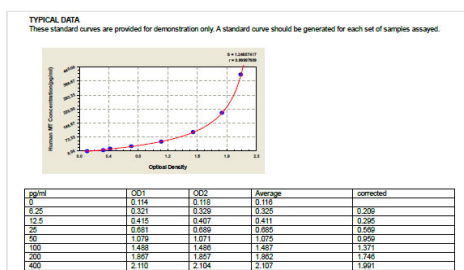
PRODUCT SYNONYMS

Metallothionein; MT; Human Metallothionein; MT ELISA Kit; MGC32848; MT1; MT1S; MTC; metallothionein 1A (functional) ; metallothionein 1S; MT1A; MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MT. No significant cross-reactivity or interference between human MT and analogues was observed.
Sequence Length	61
Samples	Serum, plasma, cell culture supernates, urine, saliva, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	6.25 pg/ml-400 pg/ml
Sensitivity	< 0.813 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MT bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94966789
NCBI GeneID	404071
NCBI Accession #	NP_001035582.1
NCBI GenBank Nucleotide #	NM_001040492.2
UniProt Accession #	P67983; P04356; P04902; A5PK56
Molecular Weight	5,951 Da
NCBI Official Full Name	metallothionein-1A
NCBI Official Symbol	MT1A
NCBI Official Synonym Symbols	MTC; MT1E; MT-1A; MT-IA
NCBI Protein Information	metallothionein-1A; metallothionein 1E; metallothionein-IA
UniProt Protein Name	Metallothionein-1A
UniProt Gene Name	MT1A
UniProt Synonym Gene Names	MT-IA; MT-1A; MT-IA
UniProt Entry Name	MT1A_BOVIN

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/human-elisa-kits/metallothionein-mt/80160>