

Mouse Metallothionein, MT ELISA Kit | MT elisa kit

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CATALOG #
AAA86425

REACTIVITY
Mouse

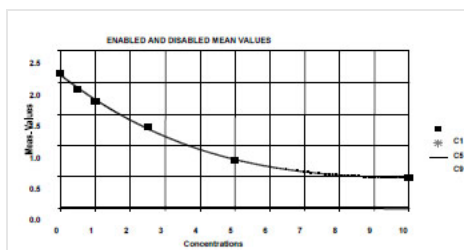
PRODUCT SYNONYMS

Metallothionein; MT; Mouse Metallothionein; MT ELISA Kit; MT ELISA Kit (Mouse); MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate serum or blood plasma

Intended Uses: This MT ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of MT in the sample, this MT ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus MT concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of MT utilizes a polyclonal anti-MT antibody and an MT-HRP conjugate. The assay sample and buffer are incubated together with MT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MT concentration since MT from samples and MT-HRP conjugate compete for the anti-MT antibody binding site. Since the number of sites is limited, as more sites are occupied by MT from the sample, fewer sites are left to bind MT-HRP conjugate. Standards of known MT concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (O.D.) to the concentration of MT. The MT concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MT elisa kit

[Mouse ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	46048711
NCBI GeneID	396212
NCBI Accession #	NP_990606.1
NCBI GenBank Nucleotide #	NM_205275.1
UniProt Accession #	P68497; P09576
Molecular Weight	6,462 Da
NCBI Official Full Name	metallothionein
NCBI Official Synonym Full Names	metallothionein 4
NCBI Official Symbol	MT4
NCBI Official Synonym Symbols	MT2A
NCBI Protein Information	metallothionein; MT; metallothionein 2A
UniProt Protein Name	Metallothionein
UniProt Entry Name	MT_CHICK

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/metallothionein-mt/86425>