

Rat Metallothionein ELISA Kit | MT elisa kit

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CATALOG #
AAA85188

REACTIVITY
Rat

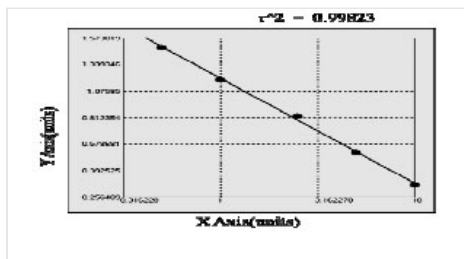
PRODUCT SYNONYMS

Metallothionein; Rat Metallothionein ELISA Kit; MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT elisa kit

Intended Uses: This MT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MT.

Principle of the Assay: MT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MT concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MT elisa kit

Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	46048711
NCBI GeneID	396212
NCBI Accession #	NP_990606.1
NCBI GenBank Nucleotide #	NM_205275.1
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 Gene Name	MT
UniProt Synonym Gene Names	MT
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.

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Online datasheet: <https://stage.aaabiotech.com/mt-rat-elisa-kits/metallothionein/85188>