

Human Metallothionein ELISA Kit | MT elisa kit

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CATALOG #
AAA16576

REACTIVITY
Human

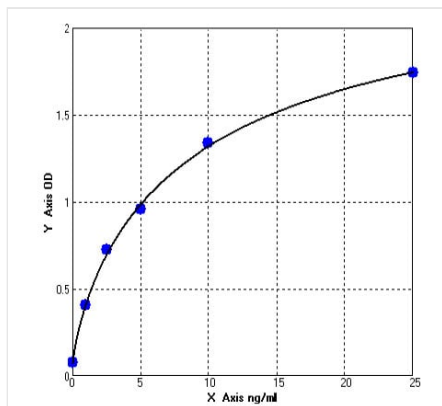
PRODUCT SYNONYMS

Metallothionein; Human Metallothionein ELISA Kit; MT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MT. No significant cross-reactivity or interference between MT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/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 Human MT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MT. Standards or samples are then added to the microtiter plate wells and MT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MT present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MT are added to each well to "sandwich" the MT immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MT and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.