

Human Metallothionein 2 ELISA Kit | MT2 elisa kit

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CATALOG #
AAA81835

REACTIVITY
Human

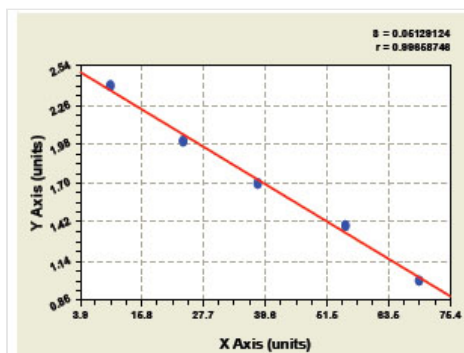
PRODUCT SYNONYMS

Metallothionein 2; Human Metallothionein 2 ELISA Kit; MT2 elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT2 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This MT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MT2. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY MT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MT2 antibody and an MT2-HRP conjugate. The assay sample and buffer are incubated together with MT2-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 MT2 concentration since MT2 from samples and MT2-HRP conjugate compete for the anti-MT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MT2 from the sample, fewer sites are left to bind MT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MT2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MT2 elisa kit	Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174764
NCBI GeneID	4502
NCBI Accession #	NP_005944.1
NCBI GenBank Nucleotide #	NM_005953.3
Molecular Weight	6,042 Da
NCBI Official Full Name	metallothionein-2
NCBI Official Synonym Full Names	metallothionein 2A
NCBI Official Symbol	MT2A
NCBI Official Synonym Symbols	MT2
NCBI Protein Information	metallothionein-2; MT-2; MT-II; metallothionein-2A; metallothionein-II
UniProt Protein Name	Metallothionein-2
UniProt Gene Name	MT2A
UniProt Synonym Gene Names	CES1; MT2; MT-2; MT-II
UniProt Entry Name	MT2_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://www.aaabiotech.com/mt2-human-elisa-kits/metallothionein-2/81835>