

Rat Metallothionein 2 ELISA Kit | MT2 elisa kit

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CATALOG # AAA85683	REACTIVITY Rat
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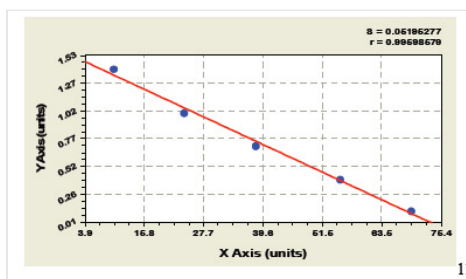
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This MT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for MT2 elisa kit	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 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://stage.aaabiotech.com/mt2-rat-elisa-kits/metallothionein-2/85683>