

Human Metallothionein 3 (MT3) ELISA Kit | MT3 elisa kit

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CATALOG #
AAA66558

REACTIVITY
Human

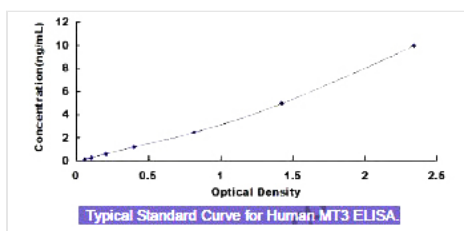
PRODUCT SYNONYMS

Metallothionein 3 (MT3); Human Metallothionein 3 (MT3) ELISA Kit; MT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MT3. No significant cross-reactivity or interference between MT3 and analogues was observed.
Sequence Length	68
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MT3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MT3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MT3 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MT3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MT3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MT3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MT3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174762
NCBI GeneID	4504
NCBI Accession #	NP_005945.1
NCBI GenBank Nucleotide #	NM_005954.2
UniProt Accession #	P25713; Q2V574
Molecular Weight	6,927 Da
NCBI Official Full Name	metallothionein-3
NCBI Official Synonym Full Names	metallothionein 3
NCBI Official Symbol	MT3
NCBI Official Synonym Symbols	GIF; GIFB; GRIF; ZnMT3
NCBI Protein Information	metallothionein-3
UniProt Protein Name	Metallothionein-3
UniProt Gene Name	MT3
UniProt Synonym Gene Names	MT-3; GIF; MT-III

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.