

Human Metallothionein 3 ELISA Kit | MT 3 elisa kit

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CATALOG #
AAA88037

REACTIVITY
Human

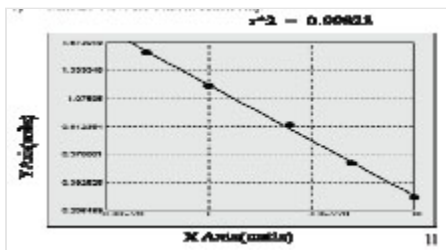
PRODUCT SYNONYMS

Metallothionein 3; Human Metallothionein 3 ELISA Kit; MT 3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MT3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT 3 elisa kit

Principle of the assay: MT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MT3 antibody and an MT3-HRP conjugate. The assay sample and buffer are incubated together with MT3-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 MT3 concentration since MT3 from samples and MT3-HRP conjugate compete for the anti-MT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by MT3 from the sample, fewer sites are left to bind MT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MT3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MT 3 elisa kit

[Microbiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174762
NCBI GeneID	4504
NCBI Accession #	NP_005945.1
NCBI GenBank Nucleotide #	NM_005954.2
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; MT-3; MT-III; metallothionein-III; growth inhibitory factor; metallothionein 3 (growth inhibitory factor (neurotrophic))
UniProt Protein Name	Metallothionein-3
UniProt Gene Name	MT3
UniProt Synonym Gene Names	MT-3; GIF; MT-III
UniProt Entry Name	MT3_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/mt-3-human-elisa-kits/metallothionein-3/88037>