

Rat Metallothionein-3 ELISA Kit | MT-3 elisa kit

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CATALOG #
AAA95958

REACTIVITY
Rat

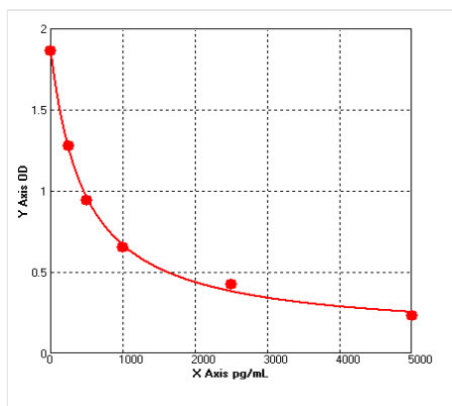
PRODUCT SYNONYMS

Metallothionein-3; Rat Metallothionein-3 ELISA Kit; MT-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MT3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
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 polyclonal 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. Intended Uses: This MT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MT3. This ELISA kit for research use only, not for therapeutic or test applications!
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mt-3-rat-elisa-kits/metallothionein-3/95958>