

Rat Metallothionein-1 ELISA Kit | MT-1 elisa kit

Rat Metallothionein-1 ELISA Kit

CATALOG #
AAA99978

REACTIVITY
Rat

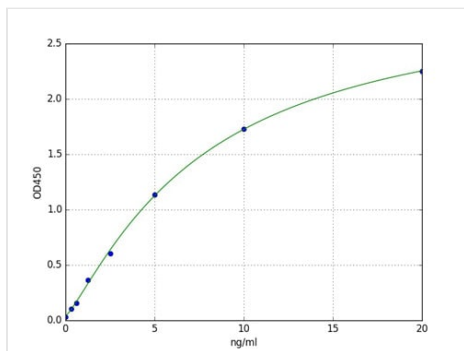
PRODUCT SYNONYMS

Metallothionein-1; Rat Metallothionein-1 ELISA Kit; MT-1/MT/MT1a; MT-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	61
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Rat MT-1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.075	0.162	0.191	0.379	0.738	1.270	1.711	2.489

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT-1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat MT-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat MT-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat MT-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat MT-1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

20301948

NCBI GeneID	24567
NCBI Accession #	NP_620181.1
NCBI GenBank Nucleotide #	NM_138826.4
Molecular Weight	6,006 Da
NCBI Official Full Name	metallothionein-1
NCBI Official Synonym Full Names	metallothionein 1
NCBI Official Symbol	Mt1
NCBI Official Synonym Symbols	Mt; Mt1a
NCBI Protein Information	metallothionein-1
UniProt Protein Name	Metallothionein-1
UniProt Gene Name	Mt1
UniProt Synonym Gene Names	Mt1a; MT-1; MT-I
UniProt Entry Name	MT1_RAT

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-1-rat-elisa-kits/metallothionein-1/99978>