

Rat MT1 ELISA Kit | MT1 elisa kit

Rat MT1(Metallothionein 1)ELISA Kit

CATALOG #
AAA21715

REACTIVITY
Rat

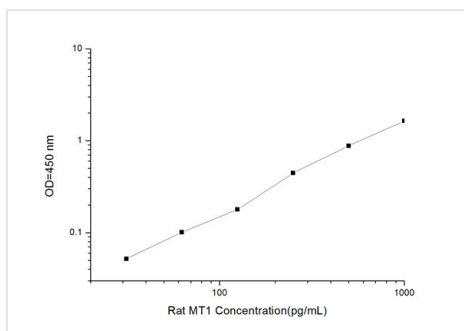
PRODUCT SYNONYMS

MT1; Rat MT1(Metallothionein 1)ELISA Kit; MT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat MT1. No significant cross-reactivity or interference between Rat MT1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat MT1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	76
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	Min: 18.75pg/mL; Max: 2000pg/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT1 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MT1 in Rat serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat MT1. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat MT1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat MT1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat MT1. You can calculate the concentration of Rat MT1 in the samples by comparing the OD of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	162458060
NCBI GeneID	542432
NCBI Accession #	NP_001105465.1
NCBI GenBank Nucleotide #	NM_001111995.1
UniProt Accession #	P30571
Molecular Weight	7,486 Da
NCBI Official Full Name	metallothionein-like protein 1
NCBI Official Synonym Full Names	metallothionein1
NCBI Official Symbol	mtl1
NCBI Official Synonym Symbols	Mt
NCBI Protein Information	metallothionein-like protein 1; MT-1; MT-L; metallothionein homolog1; metallothionein- like protein
UniProt Protein Name	Metallothionein-like protein 1
UniProt Gene Name	MT-1
UniProt Synonym Gene Names	MT-1
UniProt Entry Name	MT1_MAIZE

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.