

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

Rat Metallothionein 3 (MT3)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152429

REACTIVITY
Rat

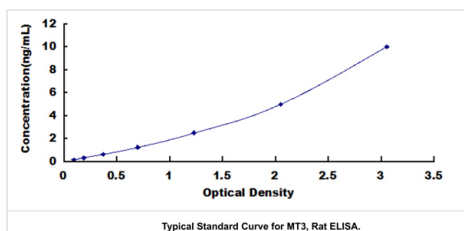
PRODUCT SYNONYMS

Metallothionein 3 (MT3); Rat Metallothionein 3 (MT3)(Sandwich ELISA) ELISA Kit; ELISA Kit for Metallothionein 3 (MT3); GIF; GIFB; GRIF; Growth Inhibitory Factor; Neurotrophic; MT3 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.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MT3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MT3 in rat serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758858
NCBI GeneID	117038
NCBI Accession #	NP_446420.1
NCBI GenBank Nucleotide #	NM_053968.3
UniProt Accession #	P37361
Molecular Weight	6,809 Da
NCBI Official Full Name	metallothionein-3
NCBI Official Synonym Full Names	metallothionein 3
NCBI Official Symbol	Mt3
NCBI Official Synonym Symbols	GIF; Mt-3
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/metallothionein-3-mt3/152429>