

Human Metallothionein-3 (MT3) ELISA Kit | MT3 elisa kit

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CATALOG #
AAA331667

REACTIVITY
Human

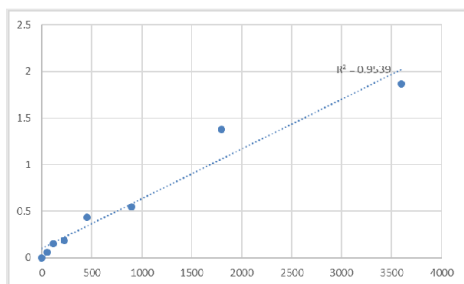
PRODUCT SYNONYMS

Metallothionein-3 (MT3); Human Metallothionein-3 (MT3) ELISA Kit; MT3; GIF; GIFB; GRIF; metallothionein 3 (growth inhibitory factor (neurotrophic)); MT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Metallothionein-3 (MT3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MT3. No significant cross-reactivity or interference between Human MT3 and analogues was observed.
Sequence Length	68
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Metallothionein-3 (MT3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MT3 elisa kit	Description: This Human Metallothionein-3 (MT3) ELISA Kit employs a two-site sandwich ELISA to quantitate MT3 in samples. An antibody specific for MT3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MT3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MT3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MT3 (Metallothionein 3) is a Protein Coding gene, and is affiliated with the lncRNA class. Diseases associated with MT3 include Alzheimer Disease and Amyotrophic Lateral Sclerosis 1. Among its related pathways are Metabolism and Response to metal ions. GO annotations related to this gene include drug binding and antioxidant activity. Binds heavy metals. Contains three zinc and three copper atoms per polypeptide chain and only a negligible amount of cadmium. Inhibits survival and neurite formation of cortical neurons in vitro.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174762
NCBI GeneID	4504
NCBI Accession #	NP_005945.1
NCBI GenBank Nucleotide #	NP_005945.1
UniProt Accession #	P25713
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
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/human-elisa-kits/metallothionein-3-mt3/331667>