

Human Metallothionein-1H (MT1H) ELISA Kit | MT1H elisa kit

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CATALOG #
AAA331671

REACTIVITY
Human

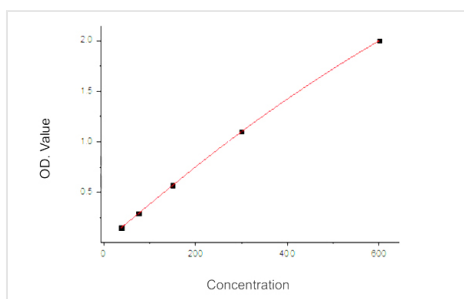
PRODUCT SYNONYMS

Metallothionein-1H (MT1H); Human Metallothionein-1H (MT1H) ELISA Kit; MT1H; MGC70702; MT1; MT1H elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Metallothionein-1H (MT1H) ELISA Kit has high sensitivity and excellent specificity for detection of Human MT1H. No significant cross-reactivity or interference between Human MT1H and analogues was observed.
Sequence Length	61
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	37.5 ng/L - 600 ng/L
Sensitivity	< 1ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MT1H elisa kit	Background: MT1H (Metallothionein 1H) is a Protein Coding gene. Among its related pathways are Metabolism and Response to metal ions. Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids. Principle of the Assay: Human Metallothionein-1H (MT1H) ELISA Kit employs a two-site sandwich ELISA to quantitate MT1H in samples. An antibody specific for MT1H has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT1H present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MT1H detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of MT1H bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835085
NCBI GeneID	4496
NCBI Accession #	NP_005942.1
NCBI GenBank Nucleotide #	NP_005942.1
UniProt Accession #	P80294
NCBI Official Full Name	metallothionein-1H
NCBI Official Synonym Full Names	metallothionein 1H
NCBI Official Symbol	MT1H
NCBI Official Synonym Symbols	MT1; MT-0; MT-1H; MT-IH
NCBI Protein Information	metallothionein-1H
UniProt Protein Name	Metallothionein-1H
UniProt Gene Name	MT1H
UniProt Synonym Gene Names	MT-1H; MT-0; MT-IH
UniProt Entry Name	MT1H_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/human-elisa-kits/metallothionein-1h-mt1h/331671>