

## Human Metallothionein 1M (MT1M) RTU ELISA Kit | MT1M rtu elisa kit

Human Metallothionein 1M (MT1M) ELISA Kit

CATALOG #  
**AAA217194**

REACTIVITY  
**Human**

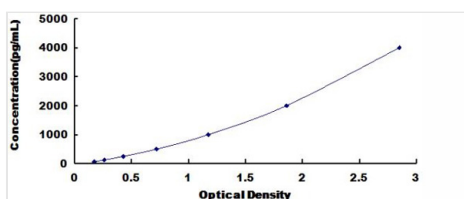
### PRODUCT SYNONYMS

Metallothionein 1M (MT1M); Human Metallothionein 1M (MT1M) ELISA Kit; MT1K; MT1M rtu elisa kit

### PRODUCT SPECIFICATIONS

|                           |                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                | Human                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length           | 61                                                                                                                                                                                                                                                                                                                                                  |
| Assay Type                | Competitive Inhibition                                                                                                                                                                                                                                                                                                                              |
| Samples                   | Serum, Plasma, Tissue Homogenates or Other Biological Fluids.                                                                                                                                                                                                                                                                                       |
| Detection Range           | 3.12-200ng/mL                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity               | 0.97ng/mL                                                                                                                                                                                                                                                                                                                                           |
| RTU ELISA Kit's Advantage | The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.                                                                                                                                                            |
| Preparation and Storage   | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MT1M rtu elisa kit

**Test Principle:** This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to MT1M has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled MT1M and unlabeled MT1M (Standards or samples) with the pre-coated antibody specific to MT1M. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of MT1M in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of MT1M in the sample.

### NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 28866966 |
| NCBI GeneID | 4499     |

|                                  |                         |
|----------------------------------|-------------------------|
| NCBI Accession #                 | NP_789846.1             |
| NCBI GenBank Nucleotide #        | NM_176870.2             |
| UniProt Accession #              | Q8N339; Q8TDN3          |
| Molecular Weight                 | 6,110 Da                |
| NCBI Official Full Name          | metallothionein-1M      |
| NCBI Official Synonym Full Names | metallothionein 1M      |
| NCBI Official Symbol             | MT1M                    |
| NCBI Official Synonym Symbols    | MT1; MT1K; MT-1M; MT-IM |
| NCBI Protein Information         | metallothionein-1M      |
| UniProt Protein Name             | Metallothionein-1M      |
| UniProt Gene Name                | <b>MT1M</b>             |
| UniProt Synonym Gene Names       | MT1K; MT-1M; MT-IM      |

**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-rtu-elisa-kits/metallothionein-1m-mt1m/217194>