

## Human Metallothionein-4 (MT4) ELISA Kit | MT4 elisa kit

Human Metallothionein-4 (MT4) ELISA Kit

CATALOG #  
**AAA331666**

REACTIVITY  
**Human**

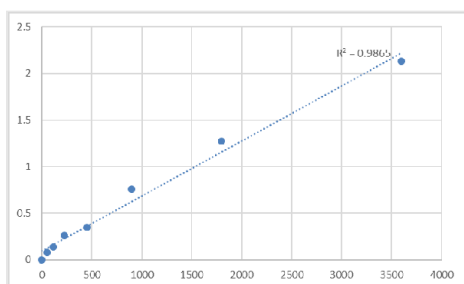
### PRODUCT SYNONYMS

Metallothionein-4 (MT4); Human Metallothionein-4 (MT4) ELISA Kit; MT4; MTIV; metallothionein IV; MT4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Metallothionein-4 (MT4) ELISA Kit has high sensitivity and excellent specificity for detection of Human MT4. No significant cross-reactivity or interference between Human MT4 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence Length         | 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Metallothionein-4 (MT4) Standard Curve.

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MT4 elisa kit | <p>Description: This Human Metallothionein-4 (MT4) ELISA Kit employs a two-site sandwich ELISA to quantitate MT4 in samples. An antibody specific for MT4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MT4 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 MT4 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: MT4 (Metallothionein 4) is a Protein Coding gene. Among its related pathways are Metabolism and Response to metal ions. Seems to bind zinc and copper. Could play a special role in regulating zinc metabolism during the differentiation of stratified epithelia.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                   |
|----------------------------------|-------------------|
| NCBI GI #                        | 109731261         |
| NCBI GeneID                      | 84560             |
| UniProt Accession #              | P47944            |
| NCBI Official Full Name          | Metallothionein 4 |
| NCBI Official Synonym Full Names | metallothionein 4 |
| NCBI Official Symbol             | MT4               |
| NCBI Official Synonym Symbols    | MT-4; MTIV; MT-IV |
| NCBI Protein Information         | metallothionein-4 |
| UniProt Protein Name             | Metallothionein-4 |
| UniProt Gene Name                | MT4               |
| UniProt Synonym Gene Names       | MT-4; MT-IV       |
| UniProt Entry Name               | MT4_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.