

## Human Melatonin, MT ELISA Kit | MT elisa kit

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CATALOG #  
**AAA15623**

REACTIVITY  
**Human**

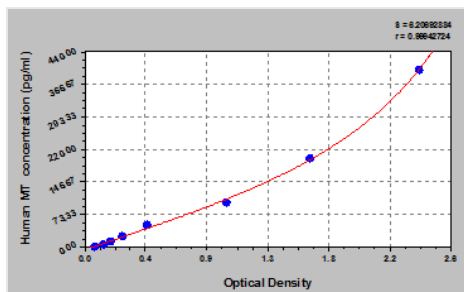
### PRODUCT SYNONYMS

Melatonin; MT; Human Melatonin; MT ELISA Kit; MT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human MT. No significant cross-reactivity or interference between human MT and analogues was observed. |
| Assay Type              | Quantitative Sandwich                                                                                                                                                             |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                 |
| Detection Range         | 6.25 pg/ml-400 pg/ml                                                                                                                                                              |
| Sensitivity             | < 1.56 pg/ml                                                                                                                                                                      |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                           |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                 |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MT elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MT is added to the wells. After washing, avidin 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 MT bound in the initial step. The color development is stopped and the intensity of the color is measured.

**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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/melatonin-mt/15623>