

## Rat Motilin (MTL) ELISA Kit | MTL elisa kit

Rat Motilin (MTL) ELISA Kit

CATALOG #  
**AAA63611**

REACTIVITY  
**Rat**

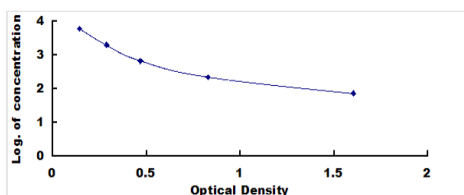
### PRODUCT SYNONYMS

Motilin (MTL); Rat Motilin (MTL) ELISA Kit; MLN; MAP; Promotilin; Motilin-associated peptide; MTL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                        |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of MTL. No significant cross-reactivity or interference between MTL and analogues was observed.                                    |
| Sequence Length         | 48                                                                                                                                                                                                         |
| Samples                 | Serum, plasma and other biological fluids.                                                                                                                                                                 |
| Assay Type              | Sandwich                                                                                                                                                                                                   |
| Detection Range         | 93.75-6000pg/mL                                                                                                                                                                                            |
| Sensitivity             | 42.5pg/mL                                                                                                                                                                                                  |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MTL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MTL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%    |
| Preparation and Storage | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MTL elisa kit

**Intended Uses:** The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of MTL in serum, plasma and other biological fluids.

**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to MTL has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled MTL and unlabeled MTL (Standards or samples) with the pre-coated antibody specific to MTL. 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 MTL in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of MTL in the sample.

NCBI AND UNIPROT INFORMATION

|                                  |                |
|----------------------------------|----------------|
| NCBI GI #                        | 158518472      |
| NCBI GeneID                      | 100126231      |
| NCBI Accession #                 | NP_001103526.1 |
| NCBI GenBank Nucleotide #        | NM_001110056.1 |
| UniProt Accession #              | A8IRIO         |
| Molecular Weight                 | 5,234 Da       |
| NCBI Official Full Name          | promotilin     |
| NCBI Official Synonym Full Names | motilin        |
| NCBI Official Symbol             | Mln            |
| NCBI Protein Information         | promotilin     |
| UniProt Protein Name             | Motilin        |
| UniProt Gene Name                | <b>Mln</b>     |

**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://stage.aaabiotech.com/rat-elisa-kits/motilin-mtl/63611>