

Rat Motilin (MTL) ELISA Kit | MTL elisa kit

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CATALOG #
AAA63611

REACTIVITY
Rat

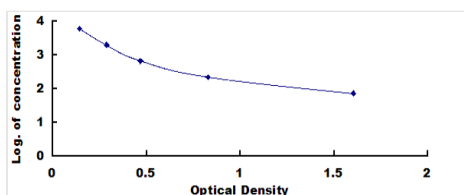
PRODUCT SYNONYMS

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	Mln

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