

Rat Motilin (MTL) ELISA Kit | MTL elisa kit

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CATALOG #
AAA139238

REACTIVITY
Rat

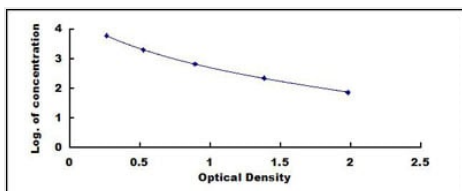
PRODUCT SYNONYMS

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 Motilin (MTL). No significant cross-reactivity or interference between Motilin (MTL) and analogues was observed.
Sequence Length	114
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	23.44-6,000pg/mL
Sensitivity	8.01pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Motilin (MTL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Motilin (MTL) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTL elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Motilin (MTL) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Motilin (MTL) and unlabeled Motilin (MTL) (Standards or samples) with the pre-coated antibody specific to Motilin (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 Motilin (MTL) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Motilin (MTL) in the sample.
Product Categories/Family for MTL elisa kit	Endocrinology; Gastroenterology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	386955
NCBI GeneID	4295
UniProt Accession #	P12872; Q2M1L2; Q5T975; Q6NSY7; B7ZLR7; E9PDN2; J3KN51
Molecular Weight	12,849 Da
NCBI Official Full Name	motilin
NCBI Official Synonym Full Names	motilin
NCBI Official Symbol	MLN
NCBI Protein Information	promotilin
UniProt Protein Name	Promotilin
UniProt Gene Name	MLN
UniProt Synonym Gene Names	MAP
UniProt Entry Name	MOTI_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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/motilin-mtl/139238>