

Rat Motilin ELISA Kit | MTL elisa kit

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CATALOG #
AAA85127

REACTIVITY
Rat

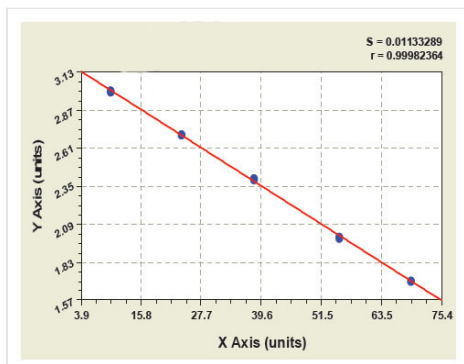
PRODUCT SYNONYMS

Motilin; Rat Motilin ELISA Kit; MTL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pmol/L
Sensitivity	1.0pmol/L
Intended Uses	This MTL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MTL. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MTL elisa kit

Principle of the Assay: MTL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MTL antibody and an MTL-HRP conjugate. The assay sample and buffer are incubated together with MTL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MTL concentration since MTL from samples and MTL-HRP conjugate compete for the anti-MTL antibody binding site. Since the number of sites is limited, as more sites are occupied by MTL from the sample, fewer sites are left to bind MTL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MTL concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386955
NCBI GeneID	4295
Molecular Weight	12,849 Da
NCBI Official Full Name	motilin
NCBI Official Synonym Full Names	motilin
NCBI Official Symbol	MLN
NCBI Protein Information	promotilin; prepromotilin
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://stage.aaabiotech.com/mtl-rat-elisa-kits/motilin/85127>