

## Rabbit Motilin (MLN) ELISA Kit

Catalog No: #EK11505



Package Size: #EK11505-1 48T #EK11505-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Rabbit Motilin (MLN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rabbit ( <i>Oryctolagus cuniculus</i> )
Other Names	MGC138519;
Accession No.	P27114
Uniprot	P27114
GeneID	100009276;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:13.8 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MLN in samples. An antibody specific for MLN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMLN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MLN is added to the wells. After washing, Streptavidin 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 MLN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Motilin is a 22 amino acid polypeptide hormone, secreted by endocrine M cells that are numerous in crypts of the small intestine, especially in the duodenum and jejunum. Based on amino acid sequence, motilin is unrelated to other hormones. Because of its ability to stimulate gastric activity, it was named "Motilin". Apart from in humans, motilin receptors are found in the gastrointestinal tracts of pigs, rats, cows and cats and in the central nervous system of rabbits.

Motilin was discovered by Brown when he introduced alkaline solution into duodenum of dogs, which caused strong gastric contractions. Motilin has 22 amino acids and molecular weight of 2698. In extract from human gut and plasma, there are two basic forms of motilin. The first molecular form is the polypeptide of 22 amino acids.

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Note: This product is for in vitro research use only