Mouse Parathymosin (PTMS) ELISA Kit

Catalog No: #EK7985

Package Size: #EK7985-1 48T #EK7985-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Parathymosin (PTMS) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ParaT;
Accession No.	Q9D0J8
Uniprot	Q9D0J8
GeneID	69202;
Storage	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. 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).

Application Details

Detect Range:37.0-3000 ng/mL

Sensitivity:14.2 ng/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 PTMS in samples. An antibody specific for PTMS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTMS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTMS 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 PTMS bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Parathymosin is a polypeptide similar in size and amino acid composition to prothymosin-alpha. It has a high content of dicarboxylic amino acids and a complete absence of aromatic and sulfur-containing amino acids. It has 101 amino acid residues as compared to 111 for prothymosin. Clinton et al. (1989) reported the isolation of a cDNA clone for human kidney parathymosin containing the complete coding region and extending into the 5-prime and 3-prime flanking sequences. The open reading frame contains 306 nucleotides, including the codon for the initiator methionine. Analysis of the 5-prime flanking sequence excluded the presence of a hydrophobic signal peptide in the translated sequence. This permitted the conclusion that parathymosin, like prothymosin-alpha, is synthesized without formation of a larger precursor polypeptide.

Note: This product is for in vitro research use only