

Human Prothymosin Alpha (PTMa) ELISA Kit | PTMa elisa kit

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CATALOG #
AAA136521

REACTIVITY
Human

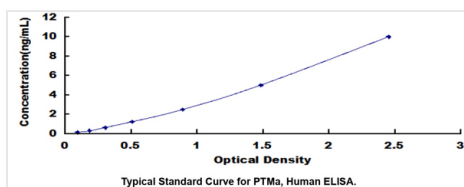
PRODUCT SYNONYMS

Prothymosin Alpha (PTMa); Human Prothymosin Alpha (PTMa) ELISA Kit; TMSA; PTM-A; Pro-Thymosin A; Gene Sequence 28; Thymosin alpha-1; PTMa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PTMa. No significant cross-reactivity or interference between PTMa and analogues was observed.
Sequence Length	15
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PTMa 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 PTMa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 PTMa elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PTMa. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PTMa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PTMa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PTMa in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PTMa in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for PTMa elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4261582
NCBI GeneID	5757
UniProt Accession #	P06454; Q15249; Q15592
Molecular Weight	12,074 Da
NCBI Official Full Name	prothymosin alpha, partial
NCBI Official Synonym Full Names	prothymosin, alpha
NCBI Official Symbol	PTMA
NCBI Official Synonym Symbols	TMSA
NCBI Protein Information	prothymosin alpha
UniProt Protein Name	Prothymosin alpha
UniProt Gene Name	PTMA
UniProt Synonym Gene Names	TMSA
UniProt Entry Name	PTMA_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/human-elisa-kits/prothymosin-alpha-ptma/136521>