

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

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CATALOG #
AAA66214

REACTIVITY
Human

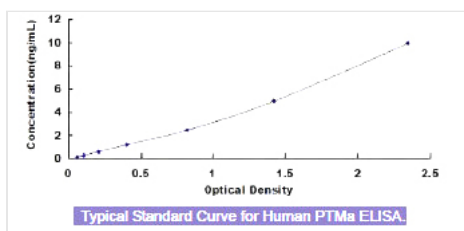
PRODUCT SYNONYMS

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	111
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTMa elisa kit	Intended Uses: This 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. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PTMa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	151101407
NCBI GeneID	5757
NCBI Accession #	NP_001092755.1
NCBI GenBank Nucleotide #	NM_001099285.1
UniProt Accession #	P06454; Q15249; Q15592
Molecular Weight	12,074 Da
NCBI Official Full Name	prothymosin alpha isoform 1
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

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/66214>