

Human Thymosin Beta 4 (Tb4) ELISA Kit | Tb4 elisa kit

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CATALOG #
AAA182289

REACTIVITY
Human

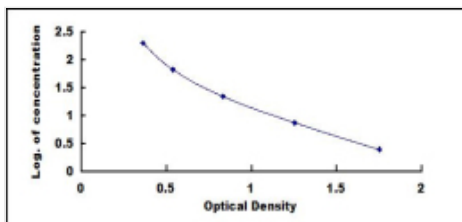
PRODUCT SYNONYMS

Thymosin Beta 4 (Tb4); Human Thymosin Beta 4 (Tb4) ELISA Kit; TMSB4X; FX; PTMB4; TB4X; TMSB4; Thymosin; Beta 4; X-Linked; TB-500; Seraspenide; Hematopoietic system regulatory peptide; Tb4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thymosin Beta 4 (Tb4). No significant cross-reactivity or interference between Thymosin Beta 4 (Tb4) and analogues was observed.
Sequence Length	44
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	2.47-200ng/mL
Sensitivity	< 0.91ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thymosin Beta 4 (Tb4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thymosin Beta 4 (Tb4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 Tb4 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Thymosin Beta 4 (Tb4) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Thymosin Beta 4 (Tb4) and unlabeled Thymosin Beta 4 (Tb4) (Standards or samples) with the pre-coated antibody specific to Thymosin Beta 4 (Tb4). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Thymosin Beta 4 (Tb4) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Thymosin Beta 4 (Tb4) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11056061
NCBI GeneID	7114
NCBI Accession #	NP_066932.1
NCBI GenBank Nucleotide #	NM_021109.3
UniProt Accession #	P62328; P01253; P01254; Q546P5; Q63576; Q9UE55
Molecular Weight	5,053 Da
NCBI Official Full Name	thymosin beta-4
NCBI Official Synonym Full Names	thymosin beta 4, X-linked
NCBI Official Symbol	TMSB4X
NCBI Official Synonym Symbols	FX; TB4X; PTMB4; TMSB4
NCBI Protein Information	thymosin beta-4
UniProt Protein Name	Thymosin beta-4
UniProt Gene Name	TMSB4X
UniProt Synonym Gene Names	TB4X; THYB4; TMSB4; T beta-4

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.