

Human Thymosin beta-10 (TMSB10) ELISA Kit | TMSB10 elisa kit

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CATALOG #
AAA330471

REACTIVITY
Human

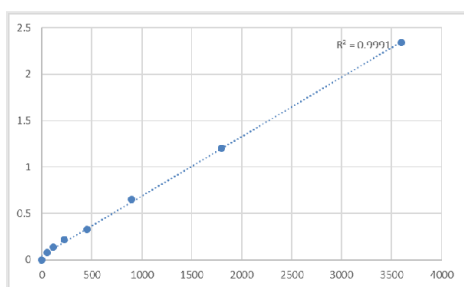
PRODUCT SYNONYMS

Thymosin beta-10 (TMSB10); Human Thymosin beta-10 (TMSB10) ELISA Kit; TMSB10; MIG12; TB10; migration-inducing gene 12; migration-inducing protein 12; thymosin; beta 10; TMSB10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Thymosin beta-10 (TMSB10) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMSB10. No significant cross-reactivity or interference between Human TMSB10 and analogues was observed.
Sequence Length	44
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Thymosin beta-10 (TMSB10) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMSB10 elisa kit	Description: This Human Thymosin beta-10 (TMSB10) ELISA Kit employs a two-site sandwich ELISA to quantitate TMSB10 in samples. An antibody specific for TMSB10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMSB10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMSB10 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 TMSB10 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Thymosin-beta-10 is closely related in sequence to TMSB4 and is also an actin-sequestering protein. In most tissues of the rat, the same molecular weight species of TMSB10 mRNA is found; This finding, together with primer extension experiments, suggested that the 2 mRNAs are transcribed from the same gene through a combination of differential promoter utilization and alternative splicing. Both mRNAs were present in pachytene spermatocytes; only the testis-specific mRNA was detected in postmeiotic haploid spermatids. Immunohistochemical analysis showed that the protein was present in differentiating spermatids, suggesting that the testis-specific TMSB10 mRNA is translated in haploid male germ cells. thymosin-beta-10 protein synthesized in adult testis was identical in size to that synthesized in brain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10863895
NCBI GeneID	9168
NCBI Accession #	NP_066926.1
NCBI GenBank Nucleotide #	NP_066926.1
UniProt Accession #	P63313
NCBI Official Full Name	thymosin beta-10
NCBI Official Synonym Full Names	thymosin beta 10
NCBI Official Symbol	TMSB10
NCBI Official Synonym Symbols	TB10; MIG12
NCBI Protein Information	thymosin beta-10
UniProt Protein Name	Thymosin beta-10
UniProt Gene Name	TMSB10
UniProt Synonym Gene Names	PTMB10; THYB10
UniProt Entry Name	TYB10_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.