

Human Thymosin beta-4 (TMSB4X) ELISA Kit | TMSB4X elisa kit

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CATALOG #
AAA330469

REACTIVITY
Human

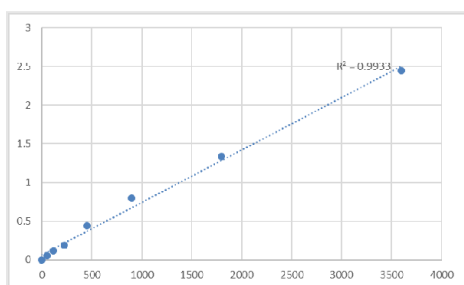
PRODUCT SYNONYMS

Thymosin beta-4 (TMSB4X); Human Thymosin beta-4 (TMSB4X) ELISA Kit; TMSB4X; FX; PTMB4; TB4X; TMSB4; OTTHUMP00000022925; OTTHUMP00000022927; OTTHUMP00000022928; prothymosin beta-4; thymosin beta-4; thymosin; beta 4; X chromosome; TMSB4X elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Thymosin beta-4 (TMSB4X) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMSB4X. No significant cross-reactivity or interference between Human TMSB4X 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-4 (TMSB4X) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMSB4X elisa kit	Description: This Human Thymosin beta-4 (TMSB4X) ELISA Kit employs a two-site sandwich ELISA to quantitate TMSB4X in samples. An antibody specific for TMSB4X has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMSB4X present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMSB4X 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 TMSB4X bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The predominant form of thymosin, thymosin beta4, is a member of a highly conserved family of actin monomer-sequestering proteins. Beta-thymosins are the primary regulators of unpolymerized actin, and are essential for maintaining the small cytoplasmic pool of free G-actin monomers required for rapid filament elongation and allowing for the flux of monomers between the thymosin-bound pool and F-actin. Thymosin beta4 sequesters actin, holding it in a form that is unable to polymerize. Due to its profusion in the cytosol and its ability to bind ATP G-actin but not F-actin, thymosin beta4 is regarded as the principal actin-sequestering protein. Thymosin beta4 binds ATP G- monomeric actin in a 11 complex where G-actin cannot polymerize.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11056061
NCBI GeneID	7114
NCBI Accession #	NP_066932.1
NCBI GenBank Nucleotide #	NP_066932.1
UniProt Accession #	P62328
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
UniProt Entry Name	TYB4_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/thymosin-beta-4-tmsb4x/330469>