

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

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CATALOG #
AAA332159

REACTIVITY
Mouse

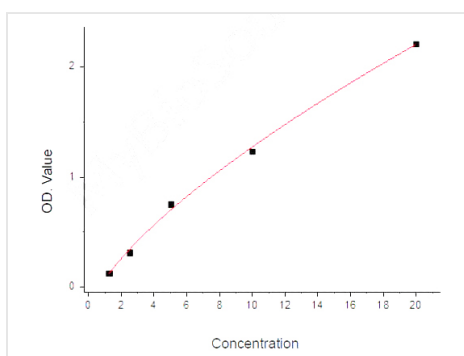
PRODUCT SYNONYMS

Thymosin beta-4 (TMSB4X); Mouse 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	Mouse
Sequence Length	44
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMSB4X elisa kit

Principle of the Assay: Mouse 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, HRP-Conjugated Mouse TMSB4X detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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/Introduction: Thymosin Beta-4 is a 43-amino-acid peptide that in humans is encoded by the TMSB4X gene. It is a small peptide with G actin-sequestering action. Found naturally in higher concentrations at injury sites, the water-soluble protein can repair tissue damage and regulate cell migration to a site. It can improve wound healing and repair not only the skin, but also the brain, spinal cord, and heart. In addition, Thymosin Beta-4 has a low molecular weight and doesn't bind to the extracellular matrix. This enables it to easily travel throughout body tissues, which promotes a faster rate of healing.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10946578
NCBI GeneID	19241
NCBI Accession #	NP_067253.1
NCBI GenBank Nucleotide #	NP_067253.1
UniProt Accession #	P20065
NCBI Official Full Name	thymosin beta-4
NCBI Official Synonym Full Names	thymosin, beta 4, X chromosome
NCBI Official Symbol	Tmsb4x
NCBI Official Synonym Symbols	Tb4; Ptmb4; Tbeta4
NCBI Protein Information	thymosin beta-4
UniProt Protein Name	Thymosin beta-4
UniProt Gene Name	Tmsb4x
UniProt Synonym Gene Names	Ptmb4; 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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/thymosin-beta-4-tmsb4x/332159>