

Human Thymosin Beta 4 ELISA Kit | TMSbeta4 elisa kit

Human Thymosin Beta 4 ELISA Kit

CATALOG #
AAA102323

REACTIVITY
Human

PRODUCT SYNONYMS

Thymosin Beta 4; Human Thymosin Beta 4 ELISA Kit; TMSb4 ; TMSbeta4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TMS?4. No significant cross-reactivity or interference between TMS?4 and analogues was observed.
Sequence Length	44
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TMS ?4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TMS ?4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve									
Results of a typical standard run of a TMS ?4 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)									
X	ng/ml	0	31.25	62.5	125	250	500	1000	2000
Y	OD450	2.297	1.939	1.534	1.008	0.672	0.343	0.172	0.004

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMSbeta4 elisa kit

Principle of the Assay: This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with TMS?4. During the reaction, TMS?4 in the sample or standard competes with a fixed amount of TMS?4 on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to TMS?4. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin(SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of TMS?4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11056061
NCBI GeneID	7114
NCBI Accession #	NP_066932.1
NCBI GenBank Nucleotide #	NM_021109.3
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tmsbeta4-human-elisa-kits/thymosin-beta-4/102323>