

Human Thymosin beta 4 ELISA Kit | Tbeta4 elisa kit

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CATALOG #
AAA16298

REACTIVITY
Human

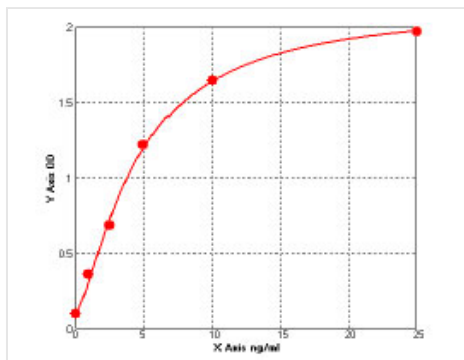
PRODUCT SYNONYMS

Thymosin beta 4; Human Thymosin beta 4 ELISA Kit; Human Thymosin b 4 ELISA Kit; Tbeta4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TMbeta4. No significant cross-reactivity or interference between TMbeta4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TMbeta4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tbeta4 elisa kit	Principle of the Assay: TMbeta4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TMbeta4. Standards or samples are then added to the microtiter plate wells and TMbeta4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TMbeta4 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for TMbeta4 are added to each well to "sandwich" the TMbeta4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain TMbeta4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TMbeta4 concentration in each sample is interpolated from this standard curve. Intended Uses: This TMbeta4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TMbeta4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Tbeta4 elisa kit	Signal Transduction

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; t beta-4; prothymosin beta-4; thymosin, beta 4, X chromosome
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/tbeta4-human-elisa-kits/thymosin-beta-4/16298>