

Canine Thymosin Beta 4 ELISA Kit | Tbeta4 elisa kit

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CATALOG #
AAA92136

REACTIVITY
Canine

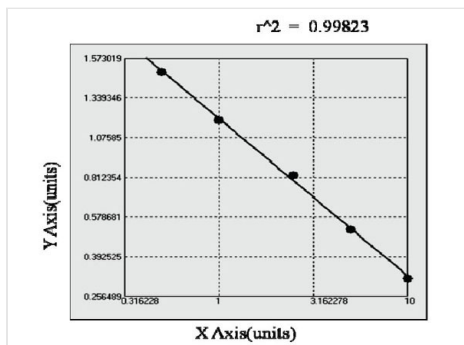
PRODUCT SYNONYMS

Thymosin Beta 4; Canine Thymosin Beta 4 ELISA Kit; Tbeta4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This Tbeta4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Tbeta4. This ELISA kit for research use only, not for therapeutic applications!
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: Tbeta4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Tbeta4 antibody and an Tbeta4-HRP conjugate. The assay sample and buffer are incubated together with Tbeta4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Tbeta4 concentration since Tbeta4 from samples and Tbeta4-HRP conjugate compete for the anti-Tbeta4 antibody binding site. Since the number of sites is limited, as more sites are occupied by Tbeta4 from the sample, fewer sites are left to bind Tbeta4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Tbeta4 concentration in each sample is interpolated from this 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; 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.