

Canine Thymosin Beta 10 ELISA Kit | TMSbeta10 elisa kit

Canine Thymosin Beta 10 ELISA Kit

CATALOG #
AAA93482

REACTIVITY
Canine

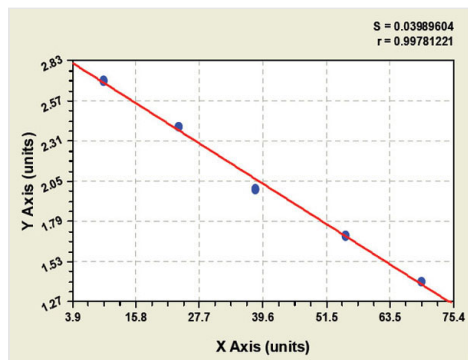
PRODUCT SYNONYMS

Thymosin Beta 10; Canine Thymosin Beta 10 ELISA Kit; TMSbeta10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This TMSB10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TMSb10. 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 TMSbeta10 elisa kit

Principle of the Assay: TMSB10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TMSB10 antibody and an TMSB10-HRP conjugate. The assay sample and buffer are incubated together with TMSB10-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 TMSB10 concentration since TMSB10 from samples and TMSB10-HRP conjugate compete for the anti-TMSB10 antibody binding site. Since the number of sites is limited, as more sites are occupied by TMSB10 from the sample, fewer sites are left to bind TMSB10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TMSB10 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863895
NCBI GeneID	9168
NCBI Accession #	NP_066926.1
NCBI GenBank Nucleotide #	NM_021103.3
Molecular Weight	5,026 Da
NCBI Official Full Name	thymosin beta-10
NCBI Official Synonym Full Names	thymosin beta 10
NCBI Official Symbol	TMSB10
NCBI Official Synonym Symbols	TB10; MIG12
NCBI Protein Information	thymosin beta-10; migration-inducing gene 12; migration-inducing protein 12
UniProt Protein Name	Thymosin beta-10
UniProt Gene Name	TMSB10
UniProt Synonym Gene Names	PTMB10; THYB10
UniProt Entry Name	TYB10_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.