

Canine Thymosin alpha1 ELISA Kit | TMSalpha1 elisa kit

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CATALOG #
AAA97002

REACTIVITY
Canine

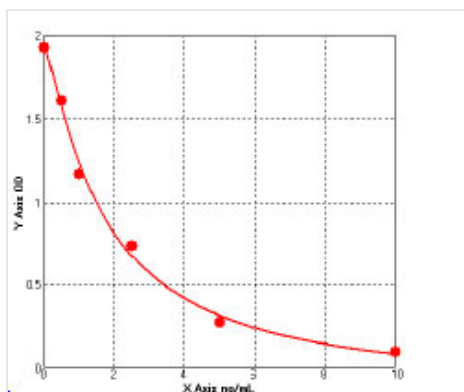
PRODUCT SYNONYMS

Thymosin alpha1; Canine Thymosin alpha1 ELISA Kit; Canine Thymosin a1 ELISA Kit; TMSalpha1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Talpha1. No significant cross-reactivity or interference between Talpha1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Talpha1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 TMSalpha1 elisa kit	Intended Uses: This Talpha1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Talpha1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: Talpha1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Talpha1 antibody and an Talpha1-HRP conjugate. The assay sample and buffer are incubated together with Talpha1-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 Talpha1 concentration since Talpha1 from samples and Talpha1-HRP conjugate compete for the anti-Talpha1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Talpha1 from the sample, fewer sites are left to bind Talpha1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Talpha1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TMSalpha1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	229628
NCBI Official Full Name	thymosin alpha1

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/tmsalpha1-canine-elisa-kits/thymosin-alpha1/97002>