

Canine Cathepsin L ELISA Kit | CTSL elisa kit

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CATALOG #
AAA90706

REACTIVITY
Canine

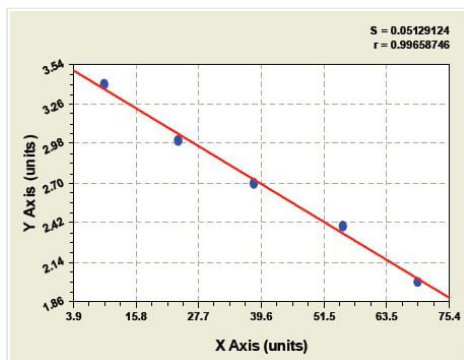
PRODUCT SYNONYMS

Cathepsin L; Canine Cathepsin L ELISA Kit; CTSL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.png/mL
Intended Uses	This CTSL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CTSL. 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 CTSL elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	530736
UniProt Accession #	Q27708
Molecular Weight	34,518 Da
NCBI Official Full Name	cathepsin I, partial
UniProt Protein Name	Cathepsin I
UniProt Entry Name	Q27708_NEPNO

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/ctsl-canine-elisa-kits/cathepsin-I/90706>