

Canine Klotho ELISA Kit | KL elisa kit

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CATALOG #
AAA16967

REACTIVITY
Canine

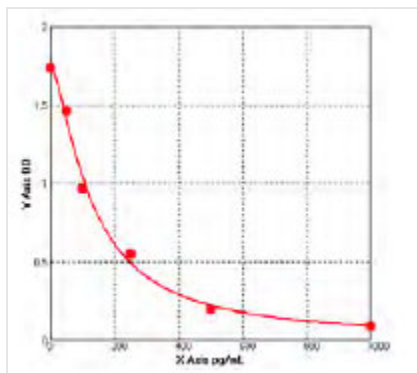
PRODUCT SYNONYMS

Klotho; Canine Klotho ELISA Kit; KL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of KL. No significant cross-reactivity or interference between KL and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between KL 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KL elisa kit	Intended Uses: This KL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine KL. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: KL ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-KL antibody and an KL-HRP conjugate. The assay sample and buffer are incubated together with KL-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 KL concentration since KL from samples and KL-HRP conjugate compete for the anti-KL antibody binding site. Since the number of sites is limited, as more sites are occupied by KL from the sample, fewer sites are left to bind KL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KL concentration in each sample is interpolated from this standard curve.
Product Categories/Family for KL elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	2618596
NCBI GeneID	9365
Molecular Weight	62,135 Da
NCBI Official Full Name	klotho
NCBI Official Synonym Full Names	klotho
NCBI Official Symbol	KL
NCBI Protein Information	klotho
UniProt Protein Name	Klotho
UniProt Gene Name	KL
UniProt Entry Name	KLOT_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://www.aaabiotech.com/kl-canine-elisa-kits/klotho/16967>