

Canine Beta-klotho (KLB) ELISA Kit | KLB elisa kit

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CATALOG #
AAA245569

REACTIVITY
Canine

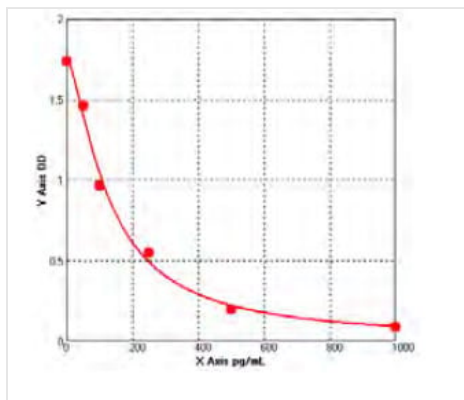
PRODUCT SYNONYMS

Beta-klotho (KLB); Canine Beta-klotho (KLB) ELISA Kit; KLB elisa kit

PRODUCT SPECIFICATIONS

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	13626032
NCBI GeneID	83379
NCBI Accession #	NP_112457.1
NCBI GenBank Nucleotide #	NM_031180.2
Molecular Weight	33,142 Da
NCBI Official Full Name	beta-klotho
NCBI Official Synonym Full Names	klotho beta
NCBI Official Symbol	Klb
NCBI Official Synonym Symbols	AV071179; betaKlotho
NCBI Protein Information	beta-klotho; BKL; klotho beta-like protein
UniProt Protein Name	Beta-klotho
UniProt Gene Name	Klb
UniProt Synonym Gene Names	Betaki; BKL; BetaKlotho
UniProt Entry Name	KLOTB_MOUSE

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.