

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

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CATALOG #
AAA245277

REACTIVITY
Rat

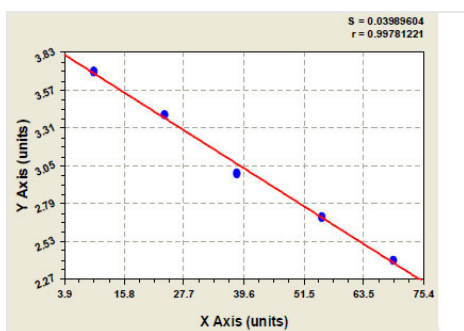
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 KLB elisa kit

Intended Uses: This KLB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat KLB. This ELISA kit for research use only!

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.

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/beta-klotho-klb/245277>