

Human Klotho Beta (KLb) ELISA Kit | KLb elisa kit

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CATALOG #
AAA135984

REACTIVITY
Human

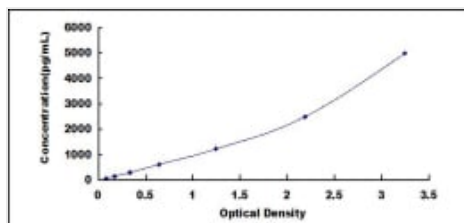
PRODUCT SYNONYMS

Klotho Beta (KLb); Human Klotho Beta (KLb) ELISA Kit; Klotho beta-like protein; KLb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Klotho Beta (KLb). No significant cross-reactivity or interference between Klotho Beta (KLb) and analogues was observed.
Sequence Length	1044
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	31pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Klotho Beta (KLb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Klotho Beta (KLb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLb elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Klotho Beta (KLb). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Klotho Beta (KLb). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Klotho Beta (KLb), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Klotho Beta (KLb) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KLb elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	119613331
NCBI GeneID	152831
UniProt Accession #	Q86Z14; Q2M3K8
Molecular Weight	119,808 Da
NCBI Official Full Name	klotho beta
NCBI Official Synonym Full Names	klotho beta
NCBI Official Symbol	KLb
NCBI Official Synonym Symbols	BKL
NCBI Protein Information	beta-klotho
UniProt Protein Name	Beta-klotho
UniProt Gene Name	KLb
UniProt Synonym Gene Names	BKL; BetaKlotho
UniProt Entry Name	KLOTB_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://stage.aaabiotech.com/human-elisa-kits/klotho-beta-klb/135984>