

Rat Klotho (KL) ELISA Kit | KL elisa kit

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CATALOG #
AAA139498

REACTIVITY
Rat

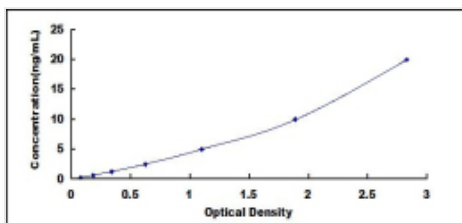
PRODUCT SYNONYMS

Klotho (KL); Rat Klotho (KL) ELISA Kit; KL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Klotho (KL). No significant cross-reactivity or interference between Klotho (KL) and analogues was observed.
Sequence Length	549
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/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 (KL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Klotho (KL) 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 KL 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 (KL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Klotho (KL). 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 (KL), 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 (KL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KL elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	2618596
NCBI GeneID	9365
UniProt Accession #	Q9UEF7; Q5VZ95; Q96KV5; Q96KW5; Q9UEI9; Q9Y4F0
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/klotho-kl/139498>