

Mouse Klotho (KL) ELISA Kit | KL elisa kit

Mouse Klotho (KL) Wide-range ELISA Kit

CATALOG #
AAA147561

REACTIVITY
Mouse

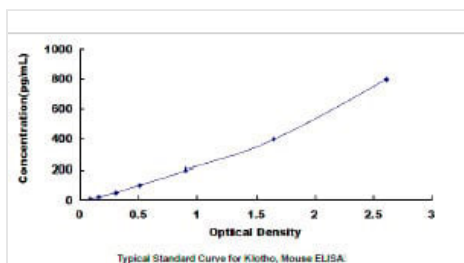
PRODUCT SYNONYMS

Klotho (KL); Mouse Klotho (KL) Wide-range ELISA Kit; KL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Klotho (KL). No significant cross-reactivity or interference between Wide-range Klotho (KL) and analogues was observed.
Sequence Length	1014
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	12.5-800pg/mL
Sensitivity	5.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Wide-range Klotho (KL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Wide-range 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 Wide-range Klotho (KL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range 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 Wide-range 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 Wide-range 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 #	227330584
NCBI GeneID	16591
NCBI Accession #	NP_038851.2
NCBI GenBank Nucleotide #	NM_013823.2
UniProt Accession #	O35082; O70175; O70621; B2RR78
Molecular Weight	62,348 Da
NCBI Official Full Name	klotho
NCBI Official Synonym Full Names	klotho
NCBI Official Symbol	Kl
NCBI Official Synonym Symbols	alpha-kl
NCBI Protein Information	klotho
UniProt Protein Name	Klotho
UniProt Gene Name	Kl

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/mouse-elisa-kits/klotho-kl/147561>