

Mouse Klotho (KL) ELISA Kit | KL elisa kit

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CATALOG #
AAA332419

REACTIVITY
Mouse

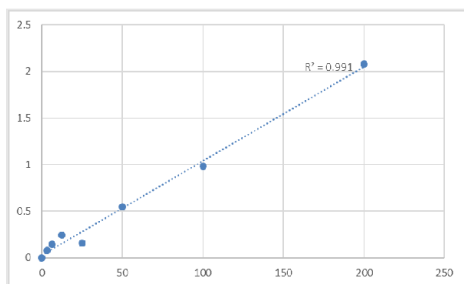
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Klotho (KL) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse KL. No significant cross-reactivity or interference between Mouse KL and analogues was observed.
Sequence Length	1014
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Klotho (KL) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for KL elisa kit	Description: This Mouse Klotho (KL) ELISA Kit employs a two-site sandwich ELISA to quantitate KL in samples. An antibody specific for KL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any KL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KL is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of KL bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Klotho is a type-I membrane protein that is related to beta-glucuronidases. Reduced production of this protein has been observed in patients with chronic renal failure (CRF), and this may be one of the factors underlying the degenerative processes (e.g., arteriosclerosis, osteoporosis, and skin atrophy) seen in CRF. Also, mutations within this protein have been associated with ageing and bone loss. Klotho is a transmembrane protein that, in addition to other effects, provides some control over the sensitivity of the organism to insulin and appears to be involved in aging. Its discovery was documented in 1997 by Kuro-o et al. The name of the gene comes from Klotho or Clotho, one of the Moirae, or Fates, in Greek mythology.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	227330584
NCBI GeneID	16591
NCBI Accession #	NP_038851.2
NCBI GenBank Nucleotide #	NP_038851.2
UniProt Accession #	O35082
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/332419>