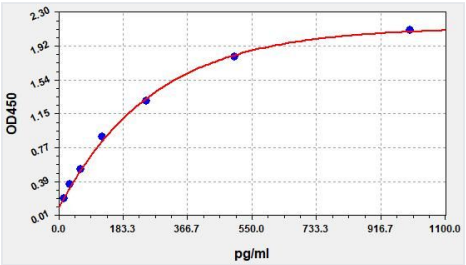
Kl (Klotho) (Kl) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Kl (Klotho), ELISA Kit
Full Product Name	Mouse Kl (Klotho) QuickTest ELISA Kit
Product Gene Name	Kl elisa kit
Product Synonym Names	Klotho; Klotho peptide; KL
Species Reactivity	Mouse
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, plasma, cell culture supernatant, cell lysate or tissue lysate, other biological fluid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store at 2-8 degree C for 12 months
Molecular Weight	62,348 Da
3D Structure	ModBase 3D Structure for O35082
Time	120 minutes
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for Kl elisa kit	MBS7619949 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Kl (Klotho) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Kl. The ELISA analytical biochemical technique of the MBS7619949 kit is based on Kl antibody-Kl antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Kl antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Kl. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of Kl elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of Kl elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Kl. It may not necessarily be applicable to this product.

NCBI GI #	227330584

NCBI GeneID	16591
NCBI Accession #	NP_038851.2
UniProt Primary Accession #	O35082
UniProt Secondary Accession #	O70175; O70621; B2RR78
UniProt Related Accession #	O35082
GenBank Nucleotide #	NM_013823.2
NCBI Official Full Name	klotho
NCBI Official Synonym Full Names	klotho
NCBI Official Symbol	Kl
NCBI Official Synonym Symbols	alpha-kl
UniProt Protein Name	Klotho
Protein Family	Klotho
UniProt Gene Name	Kl
NCBI Protein Information	klotho
UniProt Comments for Kl	May have weak glycosidase activity towards glucuronylated steroids. However, it lacks essential active site Glu residues at positions 241 and 874, suggesting it may be inactive as a glycosidase in vivo. May be involved in the regulation of calcium and phosphorus homeostasis by inhibiting the synthesis of active vitamin D. Essential factor for the specific interaction between FGF23 and FGFR1.
Research Articles on Kl	**1.** FGF23 regulates osteopontin secretion indirectly by suppressing alkaline phosphatase transcription and phosphate production in osteoblastic cells, acting through FGF receptor-3 in a Klotho-independent manner
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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