

Human Beta-klotho ELISA Kit | KLB elisa kit

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CATALOG #
AAA97664

REACTIVITY
Human

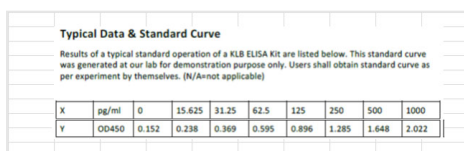
PRODUCT SYNONYMS

Beta-klotho; Human Beta-klotho ELISA Kit; KLB/BKL (Beta-klotho)/BetaKlotho/Klotho beta-like protein/klotho beta/klotho beta like; KLB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KISS. No significant cross-reactivity or interference between KISS and analogues was observed.
Sequence Length	1043
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KISS were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KISS were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLB elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-KISS antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-KISS antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the KISS amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of KISS can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13626032
NCBI GeneID	83379
NCBI Accession #	NP_112457.1
NCBI GenBank Nucleotide #	NM_031180.2
Molecular Weight	33,142 Da
NCBI Official Full Name	beta-klotho
NCBI Official Synonym Full Names	klotho beta
NCBI Official Symbol	Klb
NCBI Official Synonym Symbols	AV071179; betaKlotho
NCBI Protein Information	beta-klotho
UniProt Protein Name	Beta-klotho
UniProt Gene Name	Klb
UniProt Synonym Gene Names	Betaki; BKL; BetaKlotho
UniProt Entry Name	KLOTB_MOUSE

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/klb-human-elisa-kits/beta-klotho/97664>