

Mouse KLK1 ELISA Kit | Klk1 elisa kit

Mouse KLK1 PicoKine ELISA Kit

CATALOG #
AAA46807

REACTIVITY
Mouse

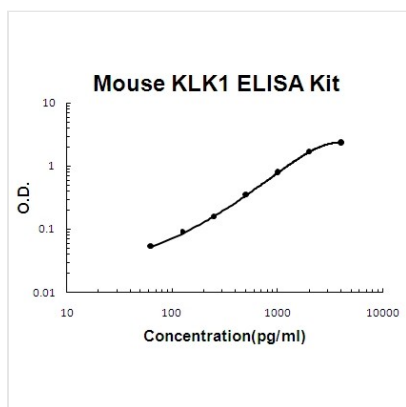
PRODUCT SYNONYMS

KLK1; Mouse KLK1 PicoKine ELISA Kit; Kallikrein 1; Kallikrein1; Kallikrein-1; klk 1; Klk 6; Klk-1; Klk1; P06870; Pancreatic kallikrein; Klk1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse KLK1
Sequence Length	213
Samples	Cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<12pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

Mouse KLK1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Klk1 elisa kit	Principle of the Assay: The Mouse KLK1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for KLK1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: I25-D261) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for KLK1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin- Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 Mouse KLK1 amount of sample captured in plate. Background: Kallikrein-1, also known as tissue kallikrein, is a protein that in humans is encoded by the KLK1 gene. This serine protease generates Lys-bradykinin by specific proteolysis of kininogen-1. KLK1 is a member of the peptidase S1 family. Its gene is mapped to 19q13.3. In all, it has got 262-amino acids which contain a putative signal peptide, followed by a short activating peptide and the protease domain. The protein is mainly found in kidney, pancreas, and salivary gland, showing a unique pattern of tissue-specific expression relative to other members of the family. KLK1 is implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	998614215
NCBI GeneID	16612
NCBI Accession #	NP_001307260.1
NCBI GenBank Nucleotide #	NM_001320331.1
UniProt Accession #	P15947; Q61855
Molecular Weight	28,775 Da
NCBI Official Full Name	kallikrein-1 isoform 2
NCBI Official Synonym Full Names	kallikrein 1
NCBI Official Symbol	Klk1
NCBI Official Synonym Symbols	Kal; Klk6; KAL-B; mGk-6; Klk1b6; 0610007D04Rik
NCBI Protein Information	kallikrein-1
UniProt Protein Name	Kallikrein-1
UniProt Gene Name	Klk1
UniProt Synonym Gene Names	Klk-6; Klk6; mGK-6

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://www.aaabiotech.com/mouse-elisa-kits/klk1/46807>