

KLKB1 elisa kit

Mouse KLKB1 ELISA Kit

CATALOG #
AAA125383

REACTIVITY
Mouse There is no detectable cross-reactivity with other relevant proteins.

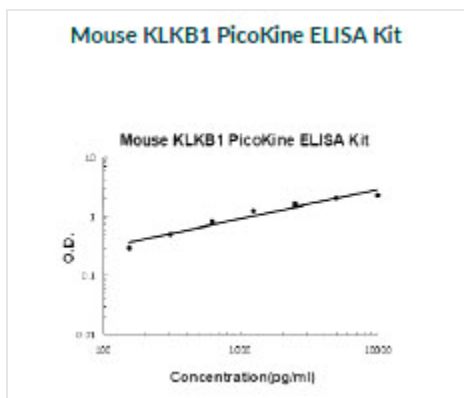
PRODUCT SYNONYMS

KLKB1; Mouse KLKB1 ELISA Kit; Mouse KLKB1; Plasma kallikrein; Fletcher factor; Kininogenin; Plasma prekallikrein; PKK; Plasma kallikrein heavy chain; Plasma kallikrein light chain; KLK3; KLKB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse KLKB1
Sequence Length	638
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/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 across 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLKB1 elisa kit	Principle of the Assay: The Picokine™ Mouse KLKB1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse KLKB1 with a 96-well strip plate that is pre-coated with antibody specific for KLKB1. The detection antibody is a biotinylated antibody specific for KLKB1. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated monoclonal antibody from goat. The kit contains recombinant Mouse KLKB1 with immunogen: Expression system for standard: NSO, Immunogen sequence: G20-A638. The kit is analytically validated with ready to use reagents. To measure Mouse KLKB1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse KLKB1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse KLKB1 in the sample.!!Background/Introduction: Plasma kallikrein is a protein that in humans is encoded by the KLKB1 gene. It is mapped to 4q35.2. This gene encodes a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. The encoded preproprotein present in plasma as a non-covalent complex with high molecular weight kininogen undergoes proteolytic processing mediated by activated coagulation factor XII to generate a disulfide-linked, heterodimeric serine protease comprised of heavy and light chains. Certain mutations in this gene cause prekallikrein deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	78191798
NCBI GeneID	3818
NCBI Accession #	NP_000883.2
NCBI GenBank Nucleotide #	NP_000883.2
UniProt Accession #	P03952
NCBI Official Full Name	plasma kallikrein isoform 1 preproprotein
NCBI Official Synonym Full Names	kallikrein B1
NCBI Official Symbol	KLKB1
NCBI Official Synonym Symbols	PKK; PPK; KLK3; PKKD
NCBI Protein Information	plasma kallikrein
UniProt Protein Name	Plasma kallikrein
UniProt Gene Name	KLKB1
UniProt Synonym Gene Names	KLK3
UniProt Entry Name	KLKB1_HUMAN

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/klkb1/125383>