

Human Kallikrein-6 ELISA Kit | KLK6 elisa kit

Human Kallikrein-6 PicoKine ELISA Kit

CATALOG #
AAA45802

REACTIVITY
Human

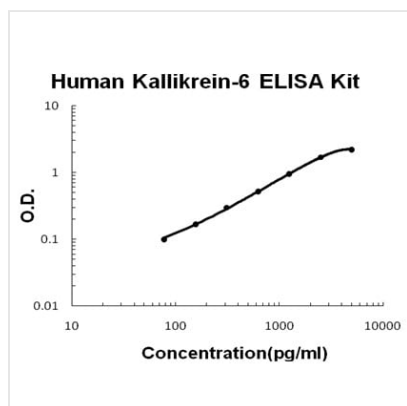
PRODUCT SYNONYMS

Kallikrein-6; Human Kallikrein-6 PicoKine ELISA Kit; kallikrein-related peptidase 6; Bssp; hK 6; hK6; Kallikrein 6 precursor; Kallikrein related peptidase 6; Kallikrein6; KLK 6; Klk 7; KLK 9; Klk29; Klk6; KLK6_HUMAN; Klk7; KLK9; MGC9355; mGK 1; mGK1; MSP; Neurosin; Protease M; Protease serine 18; Protease serine 9; PRSS 18; PRSS 9; PRSS18; PRSS9; Serine protease 18; Serine protease 9; SP 59; SP59; Tissue kallikrein; TK; Zyme; KLK6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Kallikrein-6
Sequence Length	244
Samples	Cell culture supernates, Cell lysates, serum, plasma (heparin, EDTA) and tissue homogenates
Assay Type	Sandwich
Detection Range	78pg/ml-5,000pg/ml
Sensitivity	< 3pg/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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Kallikrein-6 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for KLK6 elisa kit

Principle of the assay: human Kallikrein-6 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Kallikrein-6 has been precoated onto 96-well plates. Standards(NSO, L22-K244) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Kallikrein-6 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 human Kallikrein-6 amount of sample captured in plate.

Background: KLK6(Kallikrein-related peptidase 6), also called KALLIKREIN 6, NEUROSIN, PROTEASE M, ZYME or PRSS9, is a protein that in humans is encoded by the KLK6 gene. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. The encoded enzyme is regulated by steroid hormones. Northern blot analysis revealed that the PRSS9 mRNA was expressed in several primary tumors and cell lines from mammary, prostate, and ovarian cancers, but was not detected in any metastases of these cancers. The KLK6 gene is mapped on 19q13.41. In tissue culture, the enzyme has been found to generate amyloidogenic fragments from the amyloid precursor protein, suggesting a potential for involvement in Alzheimer's disease. Upon cellular stress, neurosin was released from mitochondria to the cytosol, which resulted in the increase of degraded alpha-synuclein species. Neurosin may play a significant role in physiologic alpha-synuclein degradation and also in the pathogenesis of synucleinopathies.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3914480
NCBI GeneID	5653
UniProt Accession #	Q92876; Q6H301; A6NJA1; A8MW09
Molecular Weight	4,333 Da
NCBI Official Full Name	Kallikrein-6
NCBI Official Synonym Full Names	kallikrein-related peptidase 6
NCBI Official Symbol	KLK6
NCBI Official Synonym Symbols	hK6; Bssp; Klk7; SP59; PRSS9; PRSS18
NCBI Protein Information	kallikrein-6; zyme; neurosin; protease M; serine protease 9; serine protease 18
UniProt Protein Name	Kallikrein-6
UniProt Gene Name	KLK6
UniProt Synonym Gene Names	PRSS18; PRSS9
UniProt Entry Name	KLK6_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/klk6-human-elisa-kits/kallikrein-6/45802>