

Human KLK11 PicoKine ELISA Kit | KLK11 elisa kit

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CATALOG #
AAA46149

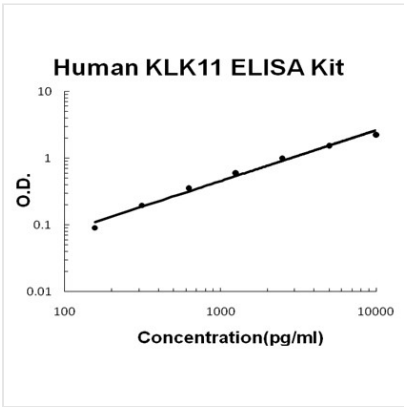
REACTIVITY
Human

PRODUCT SYNONYMS

KLK11 PicoKine; Human KLK11 PicoKine ELISA Kit; Kallikrein-11; Hippostasin; hK11; Kallikrein 11; Kallikrein 11 isoform 1 preproprotein; Kallikrein 11 isoform 2 precursor; Kallikrein 11 precursor; Kallikrein related peptidase 11; Kallikrein-11 inactive chain 2; KLK 11; Klk11; KLK11_HUMAN; MGC33060; Protease serine 20 trypsin like; Protease serine trypsin like; PRSS20; Serine protease 20; TLSP; Trypsin like protease; Trypsin-like protease; kallikrein-related peptidase 11; KLK11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human KLK11
Sequence Length	250
Assay Range	156pg/ml-10,000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of human KLK11 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma(heparin, EDTA).
Immunogen	NSO, E19-N250
Assay Procedure Step 1	Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human KLK11 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, cell lysates, tissue homogenates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human KLK11 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 1399 3520 6635 1575 4236 6751 Standard deviation 68.55 204.16 364.92 92.92 279.57 398.30 CV(%) 4.9 5.8 5.5 5.9 6.6 5.9
Sample Data	Concentration(pg/ml) 0 156 312 625 1250 2500 5000 10000 O.D. 0.009 0.091 0.197 0.355 0.601 0.999 1.535 2.246
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human KLK11 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for KLK11 elisa kit	Principle of the assay: Human KLK11 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for KLK11 has been precoated onto 96-well plates. Standards (NSO,E19-N250) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for KLK11 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 KLK11 amount of sample captured in plate. Background: Kallikrein-11 is a protein that in humans is encoded by the KLK11 gene. Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing of this gene results in two transcript variants encoding two different isoforms which are differentially expressed.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209862865
NCBI GeneID	11012
NCBI Accession #	NP_001129504.1
NCBI GenBank Nucleotide #	NM_001136032.2
UniProt Accession #	Q9UBX7; O75837; Q0WXX5; Q8IXD7; Q9NS65
Molecular Weight	30,166 Da
NCBI Official Full Name	kallikrein-11 isoform 1
NCBI Official Synonym Full Names	kallikrein related peptidase 11
NCBI Official Symbol	KLK11
NCBI Official Synonym Symbols	TLSP; PRSS20
NCBI Protein Information	kallikrein-11
UniProt Protein Name	Kallikrein-11
UniProt Gene Name	KLK11
UniProt Synonym Gene Names	PRSS20; TLSP; hK11

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/human-elisa-kits/klk11-picokine/46149>