

Human Kallikrein 14 ELISA Kit | KLK14 elisa kit

Human Kallikrein 14 PicoKine ELISA Kit

CATALOG #
AAA45750

REACTIVITY
Human

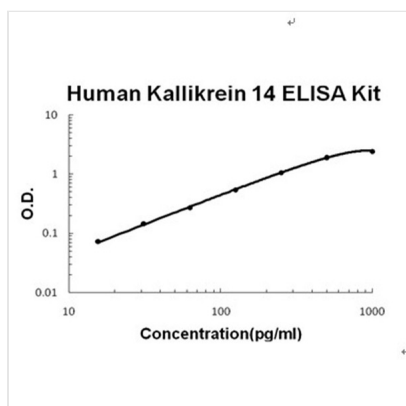
PRODUCT SYNONYMS

Kallikrein 14; Human Kallikrein 14 PicoKine ELISA Kit; Kallikrein-14; kallikrein-related peptidase 14; hK14; Kallikrein like protein 6; Kallikrein-like protein 6; KLK L6; KLK-L6; KLK14; KLK14_HUMAN; KLK14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Kallikrein 14
Sequence Length	267
Samples	Cell culture supernates, Cell lysates, serum, plasma (heparin, EDTA) and tissue homogenates
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 2pg/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 14 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for KLK14 elisa kit	Principle of the assay: human Kallikrein 14 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Kallikrein 14 has been precoated onto 96-well plates. Standards(NSO, Q19-M248) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Kallikrein 14 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 14 amount of sample captured in plate. Background: Kallikrein-14 is a protein that in humans is encoded by the KLK14 gene. Kallikrein-14 belongs to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many tissues. Kallikrein-14 gene is identified in the kallikrein gene cluster on chromosome 19q13.4. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. Kallikrein-14 may activate or inactivate the proteinase-activated receptors F2R, F2RL1 and F2RL3 and other kallikreins including KLK1, KLK3, KLK5 and KLK11.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	251757292
NCBI GeneID	43847
UniProt Accession #	Q9P0G3; Q1RMZ2; Q6B089; A7UNK5
Molecular Weight	29,122 Da
NCBI Official Full Name	Kallikrein-14
NCBI Official Synonym Full Names	kallikrein-related peptidase 14
NCBI Official Symbol	KLK14
NCBI Official Synonym Symbols	KLK-L6
NCBI Protein Information	kallikrein-14; hK14; kallikrein 14; kallikrein-like protein 6
UniProt Protein Name	Kallikrein-14
UniProt Gene Name	KLK14
UniProt Synonym Gene Names	KLKL6; hK14; KLK-L6
UniProt Entry Name	KLK14_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.