

Human Kallikrein 13 ELISA Kit | KLK13 elisa kit

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CATALOG #
AAA263058

REACTIVITY
Human

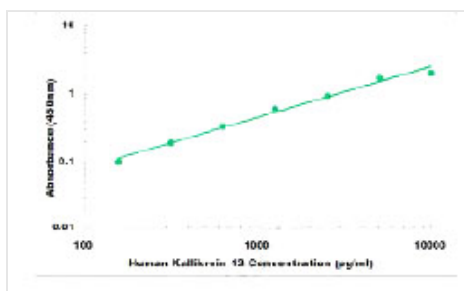
PRODUCT SYNONYMS

Kallikrein 13; Human Kallikrein 13 ELISA Kit; KLKL4; Kallikrein-13; Kallikrein-like protein 4; KLK-L4; KLK13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Kallikrein 13 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Kallikrein 13 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	277
Samples	Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK13 elisa kit	Principle of the Assay: The Human Kallikrein 13 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Kallikrein 13 in Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Human Kallikrein 13 coated on a 96-well plate. Standards and samples are pipetted into the wells and Kallikrein 13 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Kallikrein 13 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Kallikrein 13 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Kallikrein-13 is a protein that in humans is encoded by the KLK13 gene. It belongs to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many tissues. By genomic sequence analysis, KLK13 gene is mapped in a 300-kb region on chromosome 19q13.3-q13.4. It has been shown that recombinant hK13 produced in yeast can cleave synthetic peptides after the arginine residue and some extracellular matrix components. However, its exact physiological substrates and functions remain obscure. Despite the lack of knowledge on the physiological function of hK13, several studies have demonstrated that hK13 is implicated with cancer of the breast and ovary and it can serve as a favorable prognostic biomarker for these malignancies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11496281
NCBI GeneID	26085
NCBI Accession #	NP_056411.1
NCBI GenBank Nucleotide #	NM_015596.1
UniProt Accession #	Q9UKR3; Q86VI8; Q9Y433; A7UNK6
Molecular Weight	13,986 Da
NCBI Official Full Name	kallikrein-13
NCBI Official Synonym Full Names	kallikrein related peptidase 13
NCBI Official Symbol	KLK13
NCBI Official Synonym Symbols	KLKL4; KLK-L4
NCBI Protein Information	kallikrein-13
UniProt Protein Name	Kallikrein-13
UniProt Gene Name	KLK13
UniProt Synonym Gene Names	KLKL4; KLK-L4
UniProt Entry Name	KLK13_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/klk13-human-elisa-kits/kallikrein-13/263058>