

Human Kallikrein 12 ELISA Kit | KLK12 elisa kit

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CATALOG #
AAA263057

REACTIVITY
Human

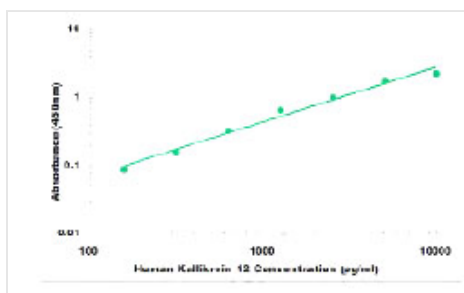
PRODUCT SYNONYMS

Kallikrein 12; Human Kallikrein 12 ELISA Kit; KLKL5; Kallikrein-12; Kallikrein-like protein 5; KLK-L5; KLK12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Kallikrein 12 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Kallikrein 12 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	254
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 KLK12 elisa kit

Principle of the Assay: The Human Kallikrein 12 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Kallikrein 12 in Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Human Kallikrein 12 coated on a 96-well plate. Standards and samples are pipetted into the wells and Kallikrein 12 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Kallikrein 12 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 12 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Kallikrein-12 is a protein that in humans is encoded by the KLK12 gene. It belongs to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many tissues. KLK12 is expressed primarily in salivary gland, stomach, uterus, trachea, prostate, thymus, lung, colon, brain, breast, and thyroid gland and at lower levels in testis, pancreas, small intestine, and spinal cord. The expression of KLK12 is downregulated at the mRNA level in breast cancer tissues and is upregulated by steroid hormones in breast and prostate cancer cell lines.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9665236
NCBI GeneID	43849
NCBI Accession #	NP_062544.1
NCBI GenBank Nucleotide #	NM_019598.2
UniProt Accession #	Q9UKR0; Q9UKR1; Q9UKR2
Molecular Weight	11,984 Da
NCBI Official Full Name	kallikrein-12 isoform 1
NCBI Official Synonym Full Names	kallikrein related peptidase 12
NCBI Official Symbol	KLK12
NCBI Official Synonym Symbols	KLKL5; KLK-L5
NCBI Protein Information	kallikrein-12
UniProt Protein Name	Kallikrein-12
UniProt Gene Name	KLK12
UniProt Synonym Gene Names	KLKL5; KLK-L5
UniProt Entry Name	KLK12_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/klk12-human-elisa-kits/kallikrein-12/263057>