

Human Kallikrein 5/KLK5 ELISA Kit | KLK5 elisa kit

Human Kallikrein 5/KLK5 PicoKine Quick ELISA Kit

CATALOG # AAA126815	REACTIVITY Human	APPLICATIONS ELISA
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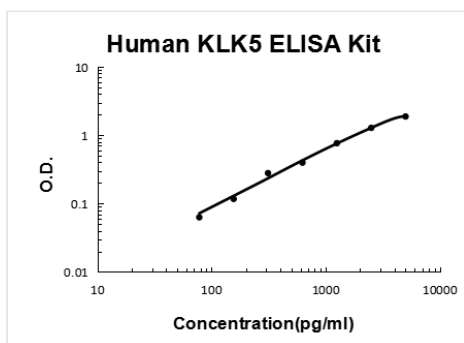
PRODUCT SYNONYMS

Kallikrein 5/KLK5; Human Kallikrein 5/KLK5 PicoKine Quick ELISA Kit; KLK5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human KLK5
Assay Type	Sandwich
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA), human milk and saliva
Detection Range	78 pg/ml - 5,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for KLK5 elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human KLK5 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for KLK5 elisa kit	Background: Kallikrein gene 5 (KLK5, also known as KLK-L2), located on chromosome 19q13.4, is one of the newly identified members of the kallikrein gene family, which is a subgroup of the serine protease enzyme family. In normal human tissues, KLK5 is highly expressed in skin, mammary gland and testis. KLK5 has been suggested to regulate cell shedding(desquamation) in conjunction with KLK7 and KLK14, given its ability to degrade proteins which form the extracellular component of cell junctions in the stratum corneum. It is proposed that KLK5 regulates this process since it is able to self-activate in addition to activating KLK7 and KLK14. Principle of the Assay: The Quick Picokine™ Human KLK5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human KLK5 in cell culture supernatants, serum, plasma (heparin, EDTA), human milk and saliva. It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Human KLK5 protein as standards. To measure Human KLK5, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human KLK5 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human KLK5 in the sample.
Product Categories/Family for KLK5 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	296434569
NCBI GeneID	25818
UniProt Accession #	Q9Y337; Q53ZR3; Q9HBG8
Molecular Weight	293
NCBI Official Full Name	Kallikrein-5
NCBI Official Synonym Full Names	kallikrein-related peptidase 5
NCBI Official Symbol	KLK5
NCBI Official Synonym Symbols	SCTE; KLKL2; KLK-L2
NCBI Protein Information	kallikrein-5; kallikrein 5; kallikrein-like protein 2; stratum corneum tryptic enzyme
UniProt Protein Name	Kallikrein-5
UniProt Gene Name	KLK5
UniProt Synonym Gene Names	SCTE; KLK-L2
UniProt Entry Name	KLK5_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/human-elisa-kits/kallikrein-5-klk5/126815>