

Human Kallikrein 5 ELISA Kit | KLK5 elisa kit

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CATALOG # AAA17862	REACTIVITY Human	APPLICATIONS ELISA
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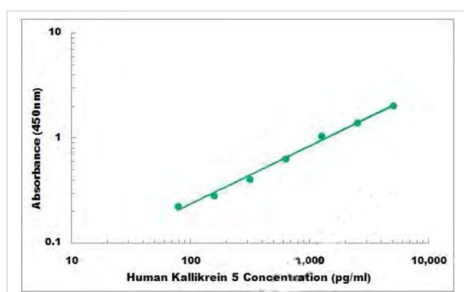
PRODUCT SYNONYMS

Kallikrein 5; Human Kallikrein 5 ELISA Kit; SCTE; Kallikrein-5; Kallikrein-like protein 2; KLK-L2; Stratum corneum tryptic enzyme; KLK5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Kallikrein 5 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Kallikrein 5 proteins within the range of 78 pg/ml - 5000 pg/ml.
Sequence Length	293
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 10 pg/ml
Applicable Applications for KLK5 elisa kit	ELISA (Sandwich ELISA)
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 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 Human Kallikrein 5 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Kallikrein 5 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human Kallikrein 5 coated on a 96-well plate. Standards and samples are pipetted into the wells and Kallikrein 5 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Kallikrein 5 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 5 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117306172
NCBI GeneID	25818
NCBI Accession #	NP_001070959.1
NCBI GenBank Nucleotide #	NM_001077491.1
UniProt Accession #	Q9Y337; Q53ZR3; Q9HBG8
Molecular Weight	32,019 Da
NCBI Official Full Name	kallikrein-5 preproprotein
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.