

Human Kallikrein-7 ELISA Kit | KLK7 elisa kit

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CATALOG #
AAA98833

REACTIVITY
Human

PRODUCT SYNONYMS

Kallikrein-7; Human Kallikrein-7 ELISA Kit; KLK7/Kallikrein-7/hK7/Serine protease 6/Stratum corneum chymotryptic enzyme/hSCCE/PRSS6/SCCE/kallikrein 7/chymotryptic; stratum corneum/signal protein/protease; serine; 6; KLK7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KLB. No significant cross-reactivity or interference between KLB and analogues was observed.
Sequence Length	253
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KLB were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KLB were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a KLK7 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.031	0.055	0.092	0.143	0.295	0.493	1.646	2.65

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK7 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-KLB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-KLB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 KLB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of KLB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21327705
NCBI GeneID	5650
NCBI Accession #	NP_644806.1
NCBI GenBank Nucleotide #	NM_139277.2
Molecular Weight	19,887 Da
NCBI Official Full Name	kallikrein-7 isoform 1 preproprotein
NCBI Official Synonym Full Names	kallikrein related peptidase 7
NCBI Official Symbol	KLK7
NCBI Official Synonym Symbols	hK7; SCCE; PRSS6
NCBI Protein Information	kallikrein-7
UniProt Protein Name	Kallikrein-7
UniProt Gene Name	KLK7
UniProt Synonym Gene Names	PRSS6; SCCE; hK7; hSCCE
UniProt Entry Name	KLK7_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/klk7-human-elisa-kits/kallikrein-7/98833>