

Human Kallikrein 7 (KLK7) CLIA Kit | KLK7 clia kit

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CATALOG # AAA189050	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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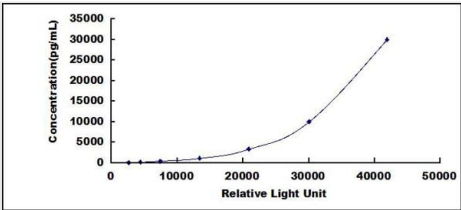
PRODUCT SYNONYMS

Kallikrein 7 (KLK7); Human Kallikrein 7 (KLK7) CLIA Kit; Kallikrein 7; PRSS6; SCCE; hK7; Kallikrein-Related Peptidase 7; Serine protease 6; Stratum corneum chymotryptic enzyme; KLK7 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kallikrein 7 (KLK7). No significant cross-reactivity or interference between Kallikrein 7 (KLK7) and analogues was observed.
Sequence Length	246
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	41.2-30,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 18.3pg/mL
Applicable Applications for KLK7 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Kallikrein 7 (KLK7) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Kallikrein 7 (KLK7) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Kallikrein 7 (KLK7). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Kallikrein 7 (KLK7). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Kallikrein 7 (KLK7) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	341823646
NCBI GeneID	5650
NCBI Accession #	NP_001230055.1
NCBI GenBank Nucleotide #	NP_001230055.1
UniProt Accession #	P49862
NCBI Official Full Name	kallikrein-7 isoform 3
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/human-clia-kits/kallikrein-7-klk7/189050>