

Human Kallikrein 10 (KLK10) CLIA Kit | KLK10 clia kit

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CATALOG #
AAA141015

REACTIVITY
Human

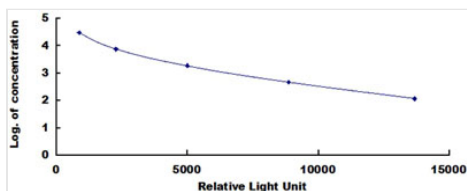
PRODUCT SYNONYMS

Kallikrein 10 (KLK10); Human Kallikrein 10 (KLK10) CLIA Kit; NES1; PRSSL1; Kallikrein-Related Peptidase 10; Normal epithelial cell-specific 1; Protease serine-like 1; KLK10 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kallikrein 10 (KLK10). No significant cross-reactivity or interference between Kallikrein 10 (KLK10) and analogues was observed.
Sequence Length	276
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	117.2-30,000pg/mL
Sensitivity	41.3pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Kallikrein 10 (KLK10) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kallikrein 10 (KLK10) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for KLK10 clia kit	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Kallikrein 10 (KLK10). A competitive inhibition reaction is launched between biotin labeled Kallikrein 10 (KLK10) and unlabeled Kallikrein 10 (KLK10) (Standards or samples) with the pre-coated antibody specific to Kallikrein 10 (KLK10). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Kallikrein 10 (KLK10) in the sample. 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 reverse proportional to the Kallikrein 10 (KLK10) level in the sample or standard.
Product Categories/Family for KLK10 clia kit	Enzyme & Kinase; Tumor immunity; Reproductive science

NCBI AND UNIPROT INFORMATION

NCBI GI #	117422433
NCBI GeneID	5655
NCBI Accession #	NP_001070968.1
NCBI GenBank Nucleotide #	NM_001077500.1
Molecular Weight	30,170 Da
NCBI Official Full Name	kallikrein-10 preproprotein
NCBI Official Synonym Full Names	kallikrein-related peptidase 10
NCBI Official Symbol	KLK10
NCBI Official Synonym Symbols	NES1; PRSSL1
NCBI Protein Information	kallikrein-10
UniProt Protein Name	Kallikrein-10
UniProt Gene Name	KLK10
UniProt Synonym Gene Names	NES1; PRSSL1
UniProt Entry Name	KLK10_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/human-clia-kits/kallikrein-10-klk10/141015>