

Human kallikrein-related peptidase 10 ELISA Kit | KLK10 elisa kit

Human Kallikrein 10, KLK 10 ELISA Kit

CATALOG #
AAA80548

REACTIVITY
Human

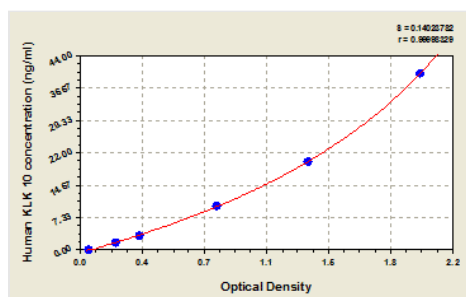
PRODUCT SYNONYMS

kallikrein-related peptidase 10; Human Kallikrein 10; KLK 10 ELISA Kit; NES1; PRSSL1; breast normal epithelial cell associated serine protease; kallikrein 10; normal epithelial cell-specific 1; protease; serine-like; 1; KLK10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human KLK10. No significant cross-reactivity or interference between Human KLK10 and analogues was observed.
Sequence Length	276
Detection Range	1.675 ng/ml-40 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Cell Cycle
Protein Biological Process 3	Cell cycle
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK10 elisa kit	Introduction: Kallikrein-10 is a protein that in humans is encoded by the KLK10 gene. Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KLK 10. Standards or samples are then added to the appropriate microtiter plate wells with a HRP-conjugated antibody preparation specific for KLK 10 and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of KLK 10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117422433
NCBI GeneID	5655
NCBI Accession #	NP_001070968.1
NCBI GenBank Nucleotide #	NM_001077500.1
UniProt Accession #	O43240; Q53YL3; Q99920; Q9GZW9; A6NC12
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.

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Online datasheet: <https://stage.aaabiotech.com/klk10-human-elisa-kits/kallikrein-related-peptidase-10/80548>