

Human Kallikrein 13 (KLK13) ELISA Kit | KLK13 elisa kit

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CATALOG #
AAA186248

REACTIVITY
Human

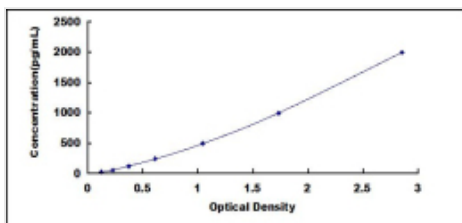
PRODUCT SYNONYMS

Kallikrein 13 (KLK13); Human Kallikrein 13 (KLK13) ELISA Kit; KLK-L4; KLKL4; Kallikrein-like protein 4; KLK13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kallikrein 13 (KLK13). No significant cross-reactivity or interference between Kallikrein 13 (KLK13) and analogues was observed.
Sequence Length	125
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	< 12.6pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Kallikrein 13 (KLK13) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kallikrein 13 (KLK13) 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 KLK13 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Kallikrein 13 (KLK13). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Kallikrein 13 (KLK13). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Kallikrein 13 (KLK13), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Kallikrein 13 (KLK13) 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 #	11496281
NCBI GeneID	26085
NCBI Accession #	NP_056411.1
NCBI GenBank Nucleotide #	NM_015596.2
UniProt Accession #	Q9UKR3; Q86VI8; Q9Y433; A7UNK6
Molecular Weight	13,986 Da
NCBI Official Full Name	kallikrein-13 isoform 1
NCBI Official Synonym Full Names	kallikrein related peptidase 13
NCBI Official Symbol	KLK13
NCBI Official Synonym Symbols	KLKL4; KLK-L4
NCBI Protein Information	kallikrein-13
UniProt Protein Name	Kallikrein-13
UniProt Gene Name	KLK13
UniProt Synonym Gene Names	KLKL4; KLK-L4

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.