

Human Kallikrein 8 (KLK8) ELISA Kit | KLK8 elisa kit

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CATALOG #
AAA182066

REACTIVITY
Human

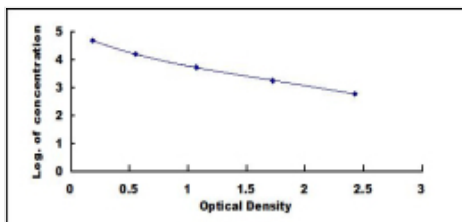
PRODUCT SYNONYMS

Kallikrein 8 (KLK8); Human Kallikrein 8 (KLK8) ELISA Kit; NP; HNP; NRPN; PRSS19; TADG14; BSP1; Neuropsin; Ovasin; Brain Serine Protease 1; Tumor Associated Differentially Expressed Gene 14; Serine protease 19; KLK8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kallikrein 8 (KLK8). No significant cross-reactivity or interference between Kallikrein 8 (KLK8) and analogues was observed.
Sequence Length	139
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	617.3-50,000pg/mL
Sensitivity	< 225.3pg/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 8 (KLK8) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kallikrein 8 (KLK8) 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 KLK8 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Kallikrein 8 (KLK8) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Kallikrein 8 (KLK8) and unlabeled Kallikrein 8 (KLK8) (Standards or samples) with the pre-coated antibody specific to Kallikrein 8 (KLK8). 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 8 (KLK8) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Kallikrein 8 (KLK8) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	527121930
NCBI GeneID	11202
NCBI Accession #	NP_001268360.1
NCBI GenBank Nucleotide #	NM_001281431.1
UniProt Accession #	O60259; Q5V9X1; Q5V9X2; Q8IW69; Q9HCB3; Q9NR68; Q9NR69; Q9UIL9; Q9UQ47
Molecular Weight	3,653 Da
NCBI Official Full Name	kallikrein-8 isoform 5
NCBI Official Synonym Full Names	kallikrein related peptidase 8
NCBI Official Symbol	KLK8
NCBI Official Synonym Symbols	NP; HNP; NRPN; PRSS19; TADG14
NCBI Protein Information	kallikrein-8
UniProt Protein Name	Kallikrein-8
UniProt Gene Name	KLK8
UniProt Synonym Gene Names	NRPN; PRSS19; TADG14; hK8; NP

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.