

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

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CATALOG #
AAA331947

REACTIVITY
Human

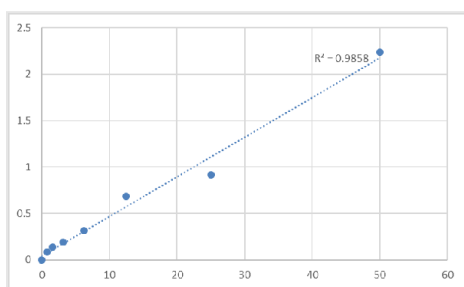
PRODUCT SYNONYMS

Kallikrein 8 (KLK8); Human Kallikrein 8 (KLK8) ELISA Kit; KLK8; HNP; NP; NRPN; PRSS19; TADG14; KLK8 protein type 1; KLK8 protein type 2; kallikrein 8; neuropsin type 1; neuropsin type 2; ovasin; serine protease 19; tumor-associated differentially expressed gene 14; KLK8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Kallikrein 8 (KLK8) ELISA Kit has high sensitivity and excellent specificity for detection of Human KLK8. No significant cross-reactivity or interference between Human KLK8 and analogues was observed.
Sequence Length	260
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Kallikrein 8 (KLK8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for KLK8 elisa kit	Description: This Human Kallikrein 8 (KLK8) ELISA Kit employs a two-site sandwich ELISA to quantitate KLK8 in samples. An antibody specific for KLK8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any KLK8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KLK8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of KLK8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Originally described from mouse brain, KLK8 was implicated in neural plasticity and learning. Kallikrein 8 is thought to be involved in neurite outgrowth and fasciculation during nervous system development. Kallikrein 8 is induced in neurite injury, and Kallikrein 8 has been shown to be elevated in the hippocampus on Alzheimer's patients. Kallikrein 8 is thought to regulate the early phase of long-term potentiation (LTP), possibly by cleaving fibronectin and other substrates. Kallikrein 8 is also found in the uterus, where it is hormonally regulated. Cervical cancer cell lines express high levels of Kallikrein 8, and it may be useful as a tumor marker. Kallikrein 8 is not limited to the brain and uterus, as many tissues and cell lines make the protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6005844
NCBI GeneID	11202
NCBI Accession #	NP_009127.1
NCBI GenBank Nucleotide #	NP_009127.1
UniProt Accession #	O60259
NCBI Official Full Name	kallikrein-8 isoform 1 preproprotein
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
UniProt Entry Name	KLK8_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.