

Rat Kallikrein 1 (KLK1) ELISA Kit | KLK1 elisa kit

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CATALOG #
AAA140887

REACTIVITY
Rat

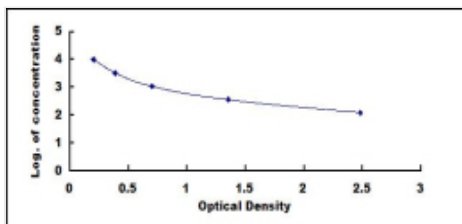
PRODUCT SYNONYMS

Kallikrein 1 (KLK1); Rat Kallikrein 1 (KLK1) ELISA Kit; KLKR; Klk6; HK1; Kallikrein 1; Renal/Pancreas/Salivary; Kidney/pancreas/salivary gland kallikrein; Tissue kallikrein; KLK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Kallikrein 1 (KLK1). No significant cross-reactivity or interference between Kallikrein 1 (KLK1) and analogues was observed.
Sequence Length	262
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	123.5-10000pg/mL
Sensitivity	48.2pg/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 1 (KLK1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kallikrein 1 (KLK1) 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 KLK1 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Kallikrein 1 (KLK1) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Kallikrein 1 (KLK1) and unlabeled Kallikrein 1 (KLK1) (Standards or samples) with the pre-coated antibody specific to Kallikrein 1 (KLK1). 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 1 (KLK1) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Kallikrein 1 (KLK1) in the sample.
Product Categories/Family for KLK1 elisa kit	Enzyme & Kinase; Tumor immunity; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504875
NCBI GeneID	3816
NCBI Accession #	NP_002248.1
NCBI GenBank Nucleotide #	NM_002257.3
Molecular Weight	23,835 Da
NCBI Official Full Name	kallikrein-1 preproprotein
NCBI Official Synonym Full Names	kallikrein 1
NCBI Official Symbol	KLK1
NCBI Official Synonym Symbols	hK1; KLKR; Klk6
NCBI Protein Information	kallikrein-1
UniProt Protein Name	Kallikrein-1
UniProt Gene Name	KLK1
UniProt Entry Name	KLK1_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/rat-elisa-kits/kallikrein-1-klk1/140887>