

Rat Kallikrein 4 (KLK4) ELISA Kit | KLK4 elisa kit

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CATALOG #
AAA64161

REACTIVITY
Rat

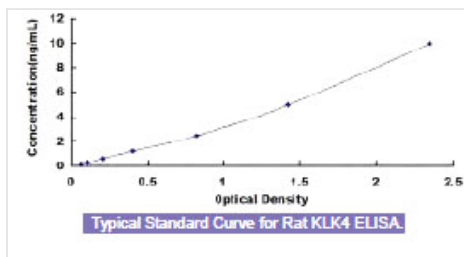
PRODUCT SYNONYMS

Kallikrein 4 (KLK4); Rat Kallikrein 4 (KLK4) ELISA Kit; ARM1; EMSP1; KLK-L1; PRSS17; PSTS; Enamel Matrix; Prostate; Kallikrein-Related Peptidase 4; Enamel matrix serine proteinase 1; Serine protease 17; Kallikrein-like protein 1; KLK4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of KLK4. No significant cross-reactivity or interference between KLK4 and analogues was observed.
Sequence Length	256
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.052ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KLK4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KLK4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KLK4 in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KLK4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KLK4. 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 KLK4, 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 KLK4 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 #	51871599
NCBI GeneID	408210
NCBI Accession #	NP_001004101.1
NCBI GenBank Nucleotide #	NM_001004101.1
UniProt Accession #	Q6IE12; F7F4Q8
Molecular Weight	27,925 Da
NCBI Official Full Name	kallikrein-4
NCBI Official Synonym Full Names	kallikrein-related peptidase 4
NCBI Official Symbol	Klk4
NCBI Official Synonym Symbols	Emsp1
NCBI Protein Information	kallikrein-4
UniProt Protein Name	Kallikrein 4
UniProt Gene Name	Klk4

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.