

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

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CATALOG #
AAA140376

REACTIVITY
Rat

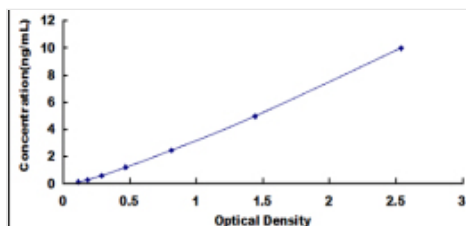
PRODUCT SYNONYMS

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 Kallikrein 4 (KLK4). No significant cross-reactivity or interference between Kallikrein 4 (KLK4) and analogues was observed.
Sequence Length	110
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.049ng/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 4 (KLK4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kallikrein 4 (KLK4) 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 KLK4 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 4 (KLK4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Kallikrein 4 (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 Kallikrein 4 (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 Kallikrein 4 (KLK4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KLK4 elisa kit	Enzyme & Kinase; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	89142741
NCBI GeneID	9622
NCBI Accession #	NP_004908.3
NCBI GenBank Nucleotide #	NM_004917.3
UniProt Accession #	Q9Y5K2; Q4VB16; Q96RU5; Q9GZL6; Q9UBJ6
Molecular Weight	11,858 Da
NCBI Official Full Name	kallikrein-4 preproprotein
NCBI Official Synonym Full Names	kallikrein-related peptidase 4
NCBI Official Symbol	KLK4
NCBI Official Synonym Symbols	ARM1; EMSP; PSTS; AI2A1; EMSP1; KLK-L1; PRSS17; kallikrein
NCBI Protein Information	kallikrein-4
UniProt Protein Name	Kallikrein-4
UniProt Gene Name	KLK4
UniProt Synonym Gene Names	EMSP1; PRSS17; PSTS; KLK-L1
UniProt Entry Name	KLK4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/kallikrein-4-klk4/140376>