

Mouse Kallikrein 3 (KLK3) ELISA Kit | KLK3 elisa kit

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CATALOG #
AAA66329

REACTIVITY
Mouse

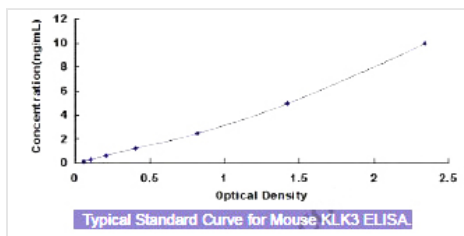
PRODUCT SYNONYMS

Kallikrein 3 (KLK3); Mouse Kallikrein 3 (KLK3) ELISA Kit; CAP; PLAP; OTASE; IRAP; Oxytocinase; Insulin-regulated membrane aminopeptidase; Insulin-responsive aminopeptidase; Placental leucine aminopeptidase; KLK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of KLK3. No significant cross-reactivity or interference between KLK3 and analogues was observed.
Sequence Length	638
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KLK3 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 KLK3 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 KLK3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KLK3 in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KLK3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KLK3. 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 KLK3, 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 KLK3 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 #	236465805
NCBI GeneID	16621
NCBI Accession #	NP_032481.2
NCBI GenBank Nucleotide #	NM_008455.3
UniProt Accession #	P26262; Q8R0P5
Molecular Weight	71,383 Da
NCBI Official Full Name	plasma kallikrein preproprotein
NCBI Official Synonym Full Names	kallikrein B, plasma 1
NCBI Official Symbol	Klkb1
NCBI Official Synonym Symbols	APS; PSA; Kal3; Klk3; Kal-3
NCBI Protein Information	plasma kallikrein
UniProt Protein Name	Plasma kallikrein
UniProt Gene Name	Klkb1
UniProt Synonym Gene Names	Klk3; Pk

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.