

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

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CATALOG #
AAA64631

REACTIVITY
Human

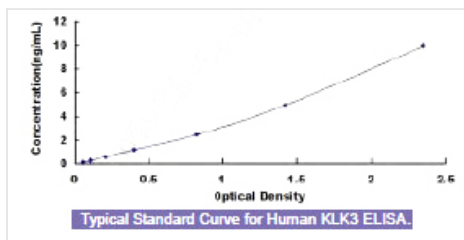
PRODUCT SYNONYMS

Kallikrein 3 (KLK3); Human Kallikrein 3 (KLK3) ELISA Kit; APS; KLK2A1; KLK2-A1; PSA; HK3; KLKB1; Prostate Specific Antigen; Kallikrein-Related Peptidase 3;; KLK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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	238
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.953-125ng/mL
Sensitivity	0.7ng/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 human serum, plasma, tissue homogenates, cell lysates, cell culture supernates 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 #	71834853
NCBI GeneID	354
NCBI Accession #	NP_001025218.1
NCBI GenBank Nucleotide #	NM_001030047.1
UniProt Accession #	P07288; Q15096; Q16272; Q86TG8; Q8IXI4; C9JXH3; G3V0H4; G3XAE3
Molecular Weight	25,116 Da
NCBI Official Full Name	prostate-specific antigen isoform 3 preproprotein
NCBI Official Synonym Full Names	kallikrein related peptidase 3
NCBI Official Symbol	KLK3
NCBI Official Synonym Symbols	APS; PSA; hK3; KLK2A1
NCBI Protein Information	prostate-specific antigen
UniProt Protein Name	Prostate-specific antigen
UniProt Gene Name	KLK3
UniProt Synonym Gene Names	APS; PSA; Semin

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.