

Human Kallikrein 3 ELISA Kit | KLK3 elisa kit

Human Kallikrein 3 PicoKine ELISA Kit

CATALOG #
AAA45248

REACTIVITY
Human

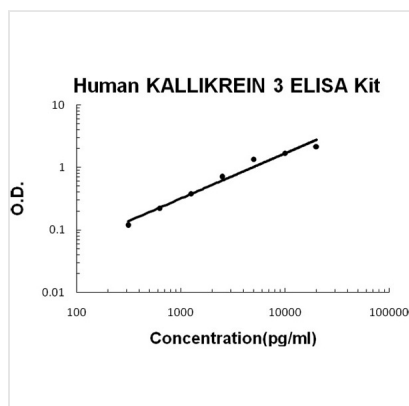
PRODUCT SYNONYMS

Kallikrein 3; Human Kallikrein 3 PicoKine ELISA Kit; Prostate-specific antigen; kallikrein-related peptidase 3; APS; Gamma seminoprotein; Gamma-seminoprotein; hK3; Kallikrein related peptidase 3; Kallikrein-3; KLK 3; KLK2A1; KLK3; Klk3; KLK3_HUMAN; P 30 antigen; P-30 antigen; P30 antigen; Prostate Specific Antigen; Psa; Semenogelase; Semin; KLK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Kallikrein 3
Sequence Length	261
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Kallikrein 3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for KLK3 elisa kit	Principle of the assay: human Kallikrein 3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Kallikrein 3 has been precoated onto 96-well plates. Standards(NSO, A18-P261) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Kallikrein 3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Kallikrein 3 amount of sample captured in plate. Background: Prostate-specific antigen (PSA), also known as kallikrein III, seminin, semenogelase, gamma-seminoprotein and P-30 antigen) is a 34 kD glycoprotein manufactured almost exclusively by the prostate gland; PSA is produced for the ejaculate where it liquifies the semen in the seminal coagulum and allows sperm to swim freely. It is also believed to be instrumental in dissolving the cervical mucous cap, allowing the entry of sperm. It is a serine protease enzyme, the gene of which is located on the nineteenth chromosome (19q13).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130989
NCBI GeneID	354
UniProt Accession #	P07288; Q15096; Q16272; Q86TG8; Q8IXI4; C9JXH3; G3V0H4; G3XAE3
Molecular Weight	25,116 Da
NCBI Official Full Name	Prostate-specific antigen
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; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen
UniProt Protein Name	Prostate-specific antigen
UniProt Gene Name	KLK3
UniProt Synonym Gene Names	APS; PSA; Semin
UniProt Entry Name	KLK3_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/klk3-human-elisa-kits/kallikrein-3/45248>