

General Prekallikrein total antigen assay ELISA Kit | KLK1 elisa kit

Human Prekallikrein total antigen assay ELISA Kit

CATALOG #
AAA37762

REACTIVITY
General

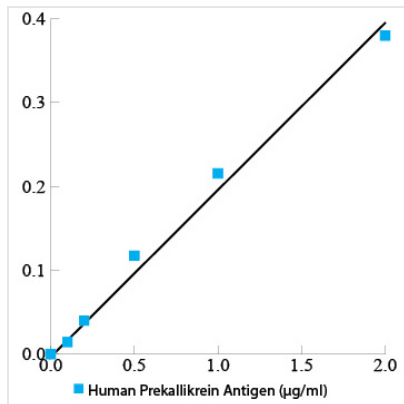
PRODUCT SYNONYMS

Prekallikrein total antigen assay; Human Prekallikrein total antigen assay ELISA Kit; KLK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	262
Samples	Human plasma
Preparation and Storage	Store at 4 degree C. Shelf Life: 6 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK1 elisa kit

Intended Uses: This human prekallikrein total antigen assay is intended for the quantitative determination of total prekallikrein antigen in human plasma.

Principle of the Assay: Human prekallikrein will bind to the capture antibody coated on the microtiter plate. After appropriate washing steps, affinity purified polyclonal anti-human prekallikrein primary antibody binds to the captured protein. Excess antibody is washed away and bound polyclonal antibody is reacted with secondary antibody conjugated to horseradish peroxidase. TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of human prekallikrein. Color development is proportional to the total concentration of prekallikrein in the samples.

Background: Prekallikrein is the glycosylated single chain zymogen precursor of the plasma serine protease kallikrein. Plasma prekallikrein circulates with kininogen and is activated by Factor XIIa in the intrinsic coagulation pathway. Kallikrein activates plasminogen in fibrinolysis and cleaves kininogen in the bradykinin system of vasodilation. Prekallikrein deficiency is rare and causes increased activated partial thromboplastin time [1]. Elevated plasma prekallikrein is associated with diabetes [2] and cardiovascular disease [3].

Product Categories/Family for KLK1 elisa kit	Kallikrein/Prekallikrein; Human Prekallikrein ELISA Kits
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504875
NCBI GeneID	3816
NCBI Accession #	NP_002248.1
NCBI GenBank Nucleotide #	NM_002257.2
UniProt Accession #	P06870; Q66US9; Q86U61; Q8TCV8; Q9BS53; Q9NQU4; Q9UD19; Q9UMJ1
Molecular Weight	28,890 Da
NCBI Official Full Name	kallikrein-1 preproprotein
NCBI Official Synonym Full Names	kallikrein 1
NCBI Official Symbol	KLK1
NCBI Official Synonym Symbols	hK1; KLKR; Klk6
NCBI Protein Information	kallikrein-1; tissue kallikrein; glandular kallikrein 1; kallikrein serine protease 1; kallikrein 1, renal/pancreas/salivary; kidney/pancreas/salivary gland kallikrein
UniProt Protein Name	Kallikrein-1
UniProt Gene Name	KLK1
UniProt Entry Name	KLK1_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/klk1-general-elisa-kits/prekallikrein-total-antigen-assay/37762>