

Human KalliKrein 1 ELISA Kit | KLK 1 elisa kit

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CATALOG #
AAA85907

REACTIVITY
Human

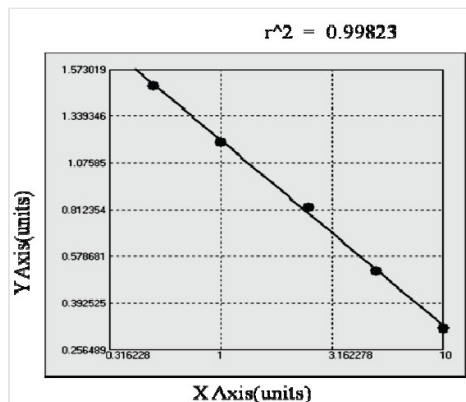
PRODUCT SYNONYMS

KalliKrein 1; Human KalliKrein 1 ELISA Kit; KLK 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This KLK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human KLK1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK 1 elisa kit

Principle of the Assay: KLK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-KLK1 antibody and an KLK1-HRP conjugate. The assay sample and buffer are incubated together with KLK1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the KLK1 concentration since KLK1 from samples and KLK1-HRP conjugate compete for the anti-KLK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by KLK1 from the sample, fewer sites are left to bind KLK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLK1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13529059
NCBI GeneID	3816
Molecular Weight	23,835 Da
NCBI Official Full Name	Kallikrein 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/klk-1-human-elisa-kits/kallikrein-1/85907>