

Guinea Pig Kallikrein 5 ELISA Kit | KLK5 elisa kit

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CATALOG #
AAA96970

REACTIVITY
Guinea Pig

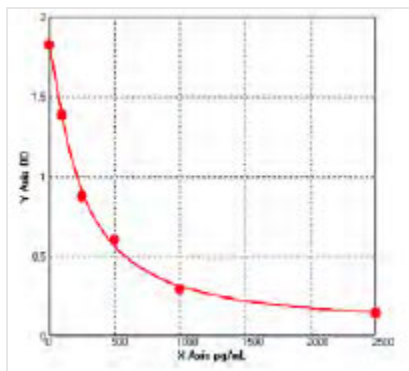
PRODUCT SYNONYMS

Kallikrein 5; Guinea pig Kallikrein 5 ELISA Kit; KLK5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of KLK5. No significant cross-reactivity or interference between KLK5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between KLK5 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK5 elisa kit	Intended Uses: This KLK5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig KLK5. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: KLK5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-KLK5 antibody and an KLK5-HRP conjugate. The assay sample and buffer are incubated together with KLK5-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 KLK5 concentration since KLK5 from samples and KLK5-HRP conjugate compete for the anti-KLK5 antibody binding site. Since the number of sites is limited, as more sites are occupied by KLK5 from the sample, fewer sites are left to bind KLK5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLK5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for KLK5 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	117306176
NCBI GeneID	25818
NCBI Accession #	NP_001070960.1
NCBI GenBank Nucleotide #	NM_001077492.1
Molecular Weight	32,019 Da
NCBI Official Full Name	kallikrein-5 preproprotein
NCBI Official Synonym Full Names	kallikrein-related peptidase 5
NCBI Official Symbol	KLK5
NCBI Official Synonym Symbols	SCTE; KLKL2; KLK-L2
NCBI Protein Information	kallikrein-5; kallikrein 5; kallikrein-like protein 2; stratum corneum tryptic enzyme
UniProt Protein Name	Kallikrein-5
UniProt Gene Name	KLK5
UniProt Synonym Gene Names	SCTE; UNQ570/PRO1132; KLK-L2
UniProt Entry Name	KLK5_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/klk5-guinea-pig-pig-elisa-kits/kallikrein-5/96970>