

Datasheet for ABIN6719700

Kallikrein 1 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	Kallikrein 1 (KLK1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Glandular kallikrein 1, hK1, Kallikrein 1 renal/pancreas/salivary, Kallikrein serine protease 1, Kallikrein-1, Kidney/pancreas/salivary gland kallikrein, KLK1, KLK1_HUMAN, Kik6, KLKR, Tissue kallikrein</p> <p>Background: Kallikrein-1, also known as tissue kallikrein, is a protein that in humans is encoded by the KLK1 gene. This serine protease generates Lys-bradykinin by specific proteolysis of kininogen-1. KLK1 is a member of the peptidase S1 family. Its gene is mapped to 19q13.3. In all, it has got 262-amino acids which contain a putative signal peptide, followed by a short</p>

Product Details

activating peptide and the protease domain. The protein is mainly found in kidney, pancreas, and salivary gland, showing a unique pattern of tissue-specific expression relative to other members of the family. KLK1 is implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers.

Gene Name: KLK1

Production: Natural and recombinant human KLK1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: I25-S262

Target Details

Target:	Kallikrein 1 (KLK1)
Alternative Name:	KLK1 (KLK1 Products)
Gene ID:	3816
NCBI Accession:	NP_002248
UniProt:	P06870
Pathways:	Complement System

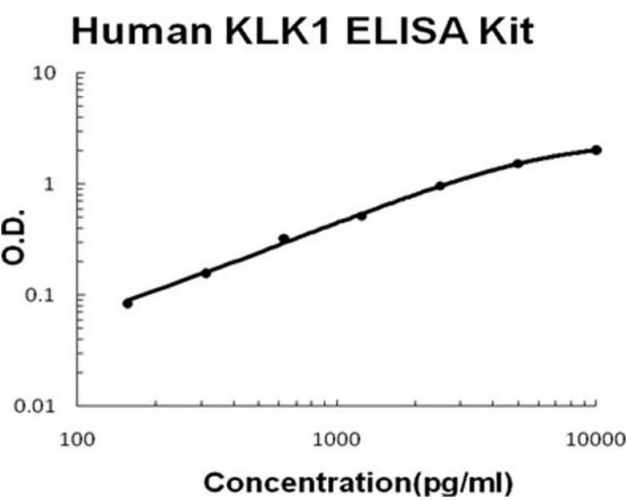
Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human KLK1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, cell lysates, tissue homogenates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human KLK1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10000pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 11/18/18 -20° C - 05/21/19</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human KLK1 Accusignal ELISA Kit Human KLK1
AccuSignal ELISA Kit standard curve. Assay
Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.