

Datasheet for ABIN6719701 **Kallikrein 8 ELISA Kit**

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Overview

Quantity:	1 kit
Target:	Kallikrein 8 (KLK8)
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:	Human KLK8 - Kallikrein-8 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human KLK8. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none">• Antibody-coated 96-well plate• Target Protein Standard

Product Details

- Detection antibody
- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	Kallikrein 8 (KLK8)
Alternative Name:	KLK8/Kallikrein-8 (KLK8 Products)
Background:	<p>Synonyms: Brain serine protease 1, BSP1, hK8, HNP, HPN, Kallikrein 8 (neuropsin/ovasin), Kallikrein related peptidase 8, KLK8 protein type 1, KLK8 protein type 2, KLK8_HUMAN, Neuropsin, Neuropsin type 1, Neuropsin type 2, NP, NRPN, Ovasin, PRO322, Protease serine 19, PRSS 19, Serine protease 19, Serine protease kallikrein, Serine protease kallikrein/ovasin/neuropsin, Serine protease TADG 14, TADG14, Tumor associated differentially expressed gene 14, Tumor associated differentially expressed gene 14 protein</p> <p>Background: Kallikrein-8 is a protein that in humans is encoded by the KLK8 gene. Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing of this gene results in four transcript variants encoding four different isoforms. The isoforms exhibit distinct patterns of expression that suggest roles in brain plasticity and ovarian cancer.</p>
Gene ID:	11202
NCBI Accession:	NP_001268360
UniProt:	O60259
Pathways:	Complement System

Application Details

Application Notes:	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 KLK8 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
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Application Details

	cell culture supernates, cell lysates, tissue homogenates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human KLK8 standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: Q29-G260
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	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.
Expiry Date:	12 months