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# Datasheet for ABIN6719902 Kallikrein 13 ELISA Kit



Overview

Quantity:	1 kit
Target:	Kallikrein 13 (KLK13)
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:	Synonyms: DKFZp586J1923, Kalikrein, Kallikrein 13, Kallikrein L4, Kallikrein Like 4, Kallikrein like	
	4 variant included, Kallikrein like gene 4, Kallikrein like protein 4, Kallikrein related peptidase 13,	
	Kallikrein-13, Kallikrein-like protein 4, KLK-L4, KLK13, KLK13_HUMAN, KLKL 4, KLKL 4, KLKL4	
	Background: Kallikrein-13 is a protein that in humans is encoded by the KLK13 gene. It belongs	
	to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many	
	tissues. By genomic sequence analysis, KLK13 gene is mapped in a 300-kb region on	
	chromosome 19q13.3-q13.4. It has been shown that recombinant hK13 produced in yeast can	

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#### Product Details

cleave synthetic peptides after the arginine residue and some extracellular matrix components. However, its exact physiological substrates and functions remain obscure. Despite the lack of knowledge on the physiological function of hK13, several studies have demonstrated that hK13 is implicated with cancer of the breast and ovary and it can serve as a favorable prognostic biomarker for these malignancies. Gene Name: KLK13 Production: Natural and recombinant human KLK13. There is no detectable cross-reactivity with other relevant proteins. Standard: Expression system for standard: NSO, Immunogen sequence: G17-Q277

#### Target Details

Target:	Kallikrein 13 (KLK13)
Alternative Name:	KLK13 (KLK13 Products)
Gene ID:	26085
NCBI Accession:	NP_056411
UniProt:	Q9UKR3
Pathways:	Complement System

#### Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot
	0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL,
	312pg/mL, 156pg/mL human KLK13 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
	KLK13 standard solution and each sample be measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 156pg/mL-10,000pg/mL
Sample Volume:	100 μL
Plate:	Pre-coated
Restrictions:	For Research Use only

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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.