

Datasheet for ABIN6719881
Kallikrein 14 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	Kallikrein 14 (KLK14)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 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: hK14, Kallikrein 14, Kallikrein like protein 6, Kallikrein-14, Kallikrein-like protein 6, KLK L6, KLK-L6, KLK14, KLK14_HUMAN</p> <p>Background: Kallikrein-14 is a protein that in humans is encoded by the KLK14 gene. Kallikrein-14 belongs to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many tissues. Kallikrein-14 gene is identified in the kallikrein gene cluster on chromosome 19q13.4. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Growing evidence suggests that many kallikreins are implicated in</p>

Product Details

carcinogenesis and some have potential as novel cancer and other disease biomarkers.

Kallikrein-14 may activate or inactivate the proteinase-activated receptors F2R, F2RL1 and F2RL3 and other kallikreins including KLK1, KLK3, KLK5 and KLK11.

Gene Name: KLK14

Production: Natural and recombinant human Kallikrein 14. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q19-M248

Target Details

Target:	Kallikrein 14 (KLK14)
Alternative Name:	Kallikrein 14 (KLK14 Products)
Gene ID:	43847
NCBI Accession:	NP_001298111
UniProt:	Q9P0G3
Pathways:	Complement System , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL human Kallikrein 14 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, serum, plasma(heparin, EDTA) or tissue homogenates to each empty well. It is recommended that each human Kallikrein 14 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
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Handling

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

