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Datasheet for ABIN6719901 **Kallikrein 12 ELISA Kit**

Overview

Quantity:	1 kit
Target:	Kallikrein 12 (KLK12)
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: DKFZp686H1078, Kallikrein like protein 5, Kallikrein related peptidase 12, Kallikrein12, KLK 12, KLK L5, KLK12, KLKL5, MGC42603</p> <p>Background: Kallikrein-12 is a protein that in humans is encoded by the KLK12 gene. It belongs to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many tissues. KLK12 is expressed primarily in salivary gland, stomach, uterus, trachea, prostate, thymus, lung, colon, brain, breast, and thyroid gland and at lower levels in testis, pancreas, small intestine, and spinal cord. The expression of KLK12 is downregulated at the mRNA level in</p>

Product Details

breast cancer tissues and is upregulated by steroid hormones in breast and prostate cancer cell lines.

Gene Name: KLK12

Production: Natural and recombinant human KLK12. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A18-N248

Target Details

Target: Kallikrein 12 (KLK12)

Alternative Name: KLK12 ([KLK12 Products](#))

Gene ID: 43849

NCBI Accession: [NP_062544](#)

UniProt: [Q9UKR0](#)

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 KLK12 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 KLK12 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

Handling

Storage: RT, 4 °C, -20 °C

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.