

## Human Kallikrein 7 (KLK 7) ELISA Kit

Catalog No: #EK10193



Package Size: #EK10193-1 48T #EK10193-2 96T

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## Description

Product Name	Human Kallikrein 7 (KLK 7) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PRSS6; SCCE; kallikrein 7 (chymotryptic; stratum corneum) protease; serine; 6 signal protein stratum corneum chymotryptic enzyme
Accession No.	P49862
Uniprot	P49862
GeneID	5650;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.059 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate KLK7 in samples. An antibody specific for KLK7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKLK7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KLK7 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of KLK7 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Kallikrein-related peptidase 7, also known as KLK7, 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. Its encoded enzyme is thought to be involved in the proteolysis of intercellular cohesive structures preceding desquamation, which is the shedding of the outermost layer of the epidermis. Alternative splicing of this gene results in two transcript variants encoding the same protein.

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Note: This product is for in vitro research use only