

## Human Kallikrein-13 (KLK13) ELISA Kit

Catalog No: #EK10199



Package Size: #EK10199-1 48T #EK10199-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Human Kallikrein-13 (KLK13) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp586J1923; KLK-L4; KLKL4; kallikrein 13 kallikrein-like gene 4
Accession No.	Q9UKR3
Uniprot	Q9UKR3
GeneID	26085;
Storage	<p>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.</p> <p>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).</p>

## Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:12.6 pg/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 KLK13 in samples. An antibody specific for KLK13 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKLK13 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KLK13 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 KLK13 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Kallikrein-13 is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Expression of this gene is regulated by steroid hormones and may be useful as a marker for breast cancer. An additional transcript variant has been identified, but its full length sequence has not been determined.

in a 300-kb region on chromosome 19q13.3-q13.4, where other kallikrein genes are localized. KLK13 exists in 2 main forms: a long form that encodes a deduced 277-amino acid protein with a predicted molecular mass of 30.6 kD, and a short form, referred to as the short KLKL4 variant, that uses an upstream alternative splice donor site located in exon 3 that generates a truncated protein. The KLK13 protein shares 51% amino acid identity with KLK11 and KLK6.

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Note: This product is for in vitro research use only