

Human Kallikrein 11 (KLK11) ELISA Kit

Catalog No: #EK10201



Package Size: #EK10201-1 48T #EK10201-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Kallikrein 11 (KLK11) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC33060; PRSS20; TLSP; hippostasin kallikrein 11 protease; serine; 20 trypsin-like protease; serine; trypsin-like
Accession No.	Q9UBX7
Uniprot	Q9UBX7
GenID	11012;
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:0.053 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 KLK11 in samples. An antibody specific for KLK11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKLK11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KLK11 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 KLK11 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Kallikrein 11 is a member of the human kallikrein gene family. KLK11 is a secreted serine protease, highly expressed in hormonally regulated tissues, including the prostate and the ovary. KLK11 has two alternative splicing isoforms, known as the brain type and prostate type. Many members of the human kallikrein gene family are differentially expressed in cancer and a few have potential as diagnostic/prognostic markers. KLK11 may represent a diagnostic and prognostic biomarker for ovarian cancer. KLK11 expression in prostate, testis, trachea, pancreas, salivary gland, thyroid, parathyroid, lung, stomach, and adult and fetal skin. Weaker expression was detected in heart, mammary gland, uterus, colon, and small intestine, with little to no expression in other tissues examined.

Note: This product is for in vitro research use only