

## Human Serine protease 27 (PRSS27) ELISA Kit

Catalog No: #EK11403



Package Size: #EK11403-1 48T #EK11403-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human Serine protease 27 (PRSS27) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CAPH2; MPN; channel-activating protease 2 marapsin pancreasin
Accession No.	Q9BQR3
Uniprot	Q9BQR3
GeneID	83886;
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:Request Information

Sensitivity:Request Information

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 PRSS27 in samples. An antibody specific for PRSS27 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRSS27 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS27 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 PRSS27 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Pancreasin is a pancreatic tryptic serine peptidase that cleaves peptides after an arginine residue. The deduced 290-amino acid preprotease contains an N-terminal signal peptide, followed by a prosequence and a 256-amino acid serine protease catalytic domain. The catalytic domain contains the essential catalytic triad (his75, asp124, and ser229) conserved in serine proteases, as well as 2 putative N-glycosylation sites. Northern blot analysis revealed expression of pancreasin only in pancreas. RT-PCR detected expression in several other tissues, including strong expression in lung and placenta. Immunocytochemical analysis of pancreatic carcinoma cells revealed cytoplasmic reactivity, and transfected Chinese hamster ovary cells secreted pancreasin into the medium.

---

Note: This product is for in vitro research use only