Rat Prostasin (PRSS8) ELISA Kit

Catalog No: #EK8080

Package Size: #EK8080-1 48T #EK8080-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Rat Prostasin (PRSS8) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	CAP1; PROSTASIN; channel-activating protease 1|prostasin
Accession No.	Q9ES87
Uniprot	Q9ES87
GeneID	192107;
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: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 PRSS8 in samples. An antibody specific for PRSS8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRSS8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS8 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 PRSS8 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PRSS8 encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The 3-prime end of the cDNA was obtained by the RACE method. A 1.8-kb cDNA sequence was assembled encoding a predicted protein of 343 amino acids which contains a 32-amino acid signal peptide. The protein, designated serine protease-8 (PRSS8), was called prostasin by the authors. The precursor, proprostasin, is cleaved between residues 12 and 13 to produce a 12-amino acid light chain and a 299-amino acid heavy chain which are associated through a disulfide bond. The predicted amino acid sequence is between 34 and 42% identical to human acrosin, plasma kallikrein, and hepsin.

Note: This product is for in vitro research use only