Human Thymus-specific serine protease (PRSS16) ELISA Kit

Catalog No: #EK8104

Package Size: #EK8104-1 48T #EK8104-2 96T

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

Description

Product Name	Human Thymus-specific serine protease (PRSS16) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	XXbac-BPG24O18.5; FLJ36271; FLJ40714; FLJ44172; TSSP; protease; serine; 16|thymus specific serine peptidase
Accession No.	Q9NQE7
Uniprot	Q9NQE7
GeneID	10279;
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 PRSS16 in samples. An antibody specific for PRSS16 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRSS16 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRSS16 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 PRSS16 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TSSP is thought to play a role in the alternative antigen presenting pathway used by cortical thymic epithelial cells during the positive selection of T cells. The gene is found in the large histone gene cluster on chromosome 6, near the major histocompatibility complex (MHC) class I region. A second transcript variant has been described, but its full length nature has not been determined.The deduced 514-amino acid PRSS16 protein, which the authors termed TSSP, has a calculated molecular mass of 55 kD. PRSS16 contains a putative N-terminal signal peptide and a prolylendopeptidase consensus sequence. Within its 3-prime untranslated region, it has 2 different polyadenylation sites. PRSS16 shares sequence similarity with prolylcarboxypeptidase (PRCP), particularly around the active-site serine.

Note: This product is for in vitro research use only