Human Proprotein convertase subtilisin/kexin type 7 (PCSK7) ELISA Kit

Catalog No: #EK11473

Package Size: #EK11473-1 48T #EK11473-2 96T

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

Description

Product Name	Human Proprotein convertase subtilisin/kexin type 7 (PCSK7) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ23503; FLJ45329; LPC; PC7; PC8; SPC7; lymphoma proprotein convertase|prohormone convertase 8; subtilisin-like|prohormone convertase PC7|proprotein convertase PC7|subtilisin/kexin-like protease PC
Accession No.	Q16549
Uniprot	Q16549
GeneID	9159;
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:0.625-40 ng/mL

Sensitivity:0.285 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 PCSK7 in samples. An antibody specific for PCSK7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPCSK7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCSK7 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 PCSK7 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Proprotein convertase subtilisin/kexin type 7 is an enzyme belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein is a calcium-dependent serine endoprotease. It is structurally related to its family members, PACE and PACE4. This protein is concentrated in the trans-Golgi network, associated with the membranes, and is not secreted. It can process proalbumin and is thought to be responsible for the activation of HIV envelope glycoproteins gp160 and gp140. This gene has been implicated in the transcriptional regulation of housekeeping genes. Multiple alternatively spliced transcripts are described for this gene but their full length nature is not yet known.

Note: This product is for in vitro research use only