

Human Proprotein convertase subtilisin/kexin type 5 (PCSK5) ELISA Kit



Catalog No: #EK8637

Orders: order@signalwayantibody.com

Package Size: #EK8637-1 48T #EK8637-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Proprotein convertase subtilisin/kexin type 5 (PCSK5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-422N19.4; PC5; PC6; PC6A; SPC6; prohormone convertase 5 proprotein convertase PC5 protease PC6 subtilisin/kexin-like protease PC5
Accession No.	Q92824
Uniprot	Q92824
GeneID	5125;
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:0.156-10 ng/mL

Sensitivity:0.054 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 PCSK5 in samples. An antibody specific for PCSK5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPCSK5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCSK5 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 PCSK5 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 5 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 mediates posttranslational endoproteolytic processing for several integrin alpha subunits. It is thought to process prorenin, pro-membrane type-1 matrix metalloproteinase and HIV-1 glycoprotein gp160. Two alternatively spliced transcripts are described for this gene but only one has its full length nature known. Expressed in T-lymphocytes. Likely to represent a widespread endoprotease activity within the constitutive and regulated secretory pathway. Capable of cleavage at the RX(K/R)R consensus motif.

Note: This product is for in vitro research use only