

Human Proprotein Convertase Subtilisin/Kexin Type 5 (PCSK5) ELISA Kit | PCSK5 elisa kit

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CATALOG #
AAA138088

REACTIVITY
Human

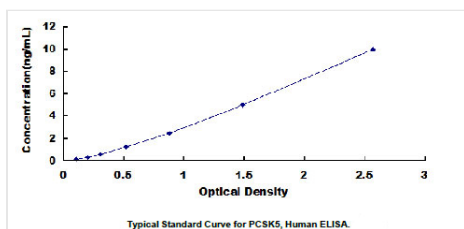
PRODUCT SYNONYMS

Proprotein Convertase Subtilisin/Kexin Type 5 (PCSK5); Human Proprotein Convertase Subtilisin/Kexin Type 5 (PCSK5) ELISA Kit; PC5; PC6; PC6A; SPC6; Subtilisin/kexin-like protease PC5; Proprotein convertase 5; PCSK5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PCIII. No significant cross-reactivity or interference between PCIII and analogues was observed.
Sequence Length	915
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PCIII were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PCIII were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCSK5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PCIII in mouse serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PCIII. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PCIII. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PCIII, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PCIII in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PCSK5 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	299523019
NCBI GeneID	18552
NCBI Accession #	NP_001177412.1
NCBI GenBank Nucleotide #	NM_001190483.2
UniProt Accession #	Q04592; Q62040; E9QPB7
Molecular Weight	101,489 Da
NCBI Official Full Name	proprotein convertase subtilisin/kexin type 5 isoform 1 preproprotein
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 5
NCBI Official Symbol	Pcsk5
NCBI Official Synonym Symbols	PC5; PC6; SPC6; b2b585Clo; b2b1549Clo
NCBI Protein Information	proprotein convertase subtilisin/kexin type 5
UniProt Protein Name	Proprotein convertase subtilisin/kexin type 5
UniProt Gene Name	Pcsk5
UniProt Synonym Gene Names	PC5; PC6; SPC6
UniProt Entry Name	PCSK5_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.