

Human Proprotein Convertase Subtilisin/Kexin Type 1 (PCSK1) ELISA Kit | PCSK1 elisa kit

Human Proprotein Convertase Subtilisin/Kexin Type 1 (PCSK1) ELISA Kit

CATALOG #
AAA65652

REACTIVITY
Human

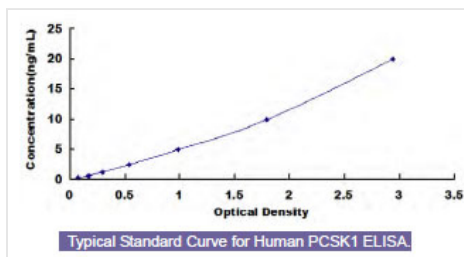
PRODUCT SYNONYMS

Proprotein Convertase Subtilisin/Kexin Type 1 (PCSK1); Human Proprotein Convertase Subtilisin/Kexin Type 1 (PCSK1) ELISA Kit; PC1; PC3; SPC3; NEC1; Prohormone Convertase 3; Prohormone Convertase 1; Neuroendocrine Convertase 1; Proprotein Convertase 1; PCSK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PCSK1. No significant cross-reactivity or interference between PCSK1 and analogues was observed.
Sequence Length	706
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.101ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PCSK1 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 PCSK1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCSK1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PCSK1 in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PCSK1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PCSK1. 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 PCSK1, 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 PCSK1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	20336242
NCBI GeneID	5122
NCBI Accession #	NP_000430.3
NCBI GenBank Nucleotide #	NM_000439.4
UniProt Accession #	P29120; P78478; Q92532; B7Z8T7; E9PHA1
Molecular Weight	79,010 Da
NCBI Official Full Name	neuroendocrine convertase 1 isoform 1 preproprotein
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 1
NCBI Official Symbol	PCSK1
NCBI Official Synonym Symbols	PC1; PC3; NEC1; SPC3; BMIQ12
NCBI Protein Information	neuroendocrine convertase 1
UniProt Protein Name	Neuroendocrine convertase 1
UniProt Gene Name	PCSK1
UniProt Synonym Gene Names	NEC1; NEC 1; PC1

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.