

Human Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) ELISA Kit | PCSK9 elisa kit

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CATALOG #
AAA64070

REACTIVITY
Human

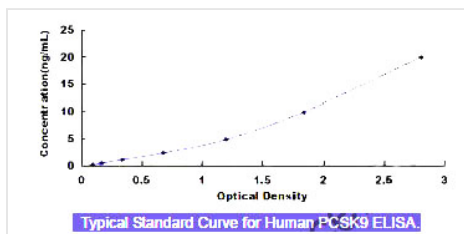
PRODUCT SYNONYMS

Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9); Human Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) ELISA Kit; FH3; HCHOLA3; NARC1; Hypercholesterolemia; Autosomal Dominant 3; Neural apoptosis-regulated convertase 1; Proprotein convertase 9; Subtilisin/kexin-like protease PC9; PCSK9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PCSK9. No significant cross-reactivity or interference between PCSK9 and analogues was observed.
Sequence Length	692
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.125ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PCSK9 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 PCSK9 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 PCSK9 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PCSK9 in human serum, plasma, tissue homogenates, and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PCSK9. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PCSK9. 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 PCSK9, 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 PCSK9 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31317307
NCBI GeneID	255738
NCBI Accession #	NP_777596.2
NCBI GenBank Nucleotide #	NM_174936.3
UniProt Accession #	Q8NBP7; Q5PSM5; Q5SZQ2; A8T640; C0JYY9
Molecular Weight	20,827 Da
NCBI Official Full Name	proprotein convertase subtilisin/kexin type 9 preproprotein
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 9
NCBI Official Symbol	PCSK9
NCBI Official Synonym Symbols	FH3; PC9; NARC1; LDLCQ1; NARC-1; HCHOLA3
NCBI Protein Information	proprotein convertase subtilisin/kexin type 9
UniProt Protein Name	Proprotein convertase subtilisin/kexin type 9
UniProt Gene Name	PCSK9
UniProt Synonym Gene Names	NARC1; NARC-1; PC9

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/proprotein-convertase-subtilisin-kexin-type-9-pcsk9/64070>