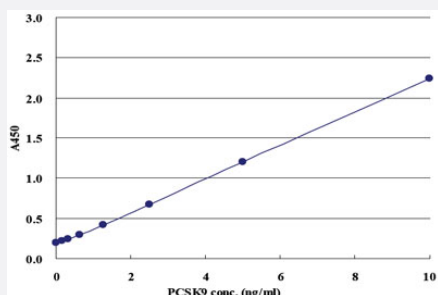


PCSK9 (Human) ELISA Kit

Catalog # KA1072

Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	Human PCSK9 ELISA kit is a sandwich enzyme immunoassay for the quantitative measurement of human PCSK9 in serum, plasma, cell culture medium, and other biological media.
Suitable Sample	Biological Medium, Cell Culture Medium, Plasma, Serum
Sample Volume	100 uL (1:100 prediluted)
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	1.96%
Inter-Assay	4.32%
Spiking Recovery	94.23%
Calibration Range	0.16 to 10 ng/mL
Limit of Detection	0.154 ng/mL
Reactivity	Human

Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the kit at 4°C away from light.

Applications

- Quantification

Gene Info — PCSK9

Entrez GeneID	255738
Gene Name	PCSK9
Gene Alias	FH3, HCHOLA3, LDLCQ1, NARC-1, NARC1
Gene Description	proprotein convertase subtilisin/kexin type 9
Omim ID	603776 607786
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. The encoded protein is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the endoplasmic reticulum. The protein may function as a proprotein convertase. This protein plays a role in cholesterol homeostasis and may have a role in the differentiation of cortical neurons. Mutations in this gene have been associated with a third form of autosomal dominant familial hypercholesterolemia (HCHOLA3). [provided by RefSeq]
Other Designations	OTTHUMP00000009833 convertase subtilisin/kexin type 9 preproprotein neural apoptosis regulated convertase 1

Publication Reference

- [PCSK9-related LDL-C value is correlated to Rab5 isoform expression level.](#)

Naseri F, Mohammadi A, Hosseini B, Shabani M, Piran S, Soltanmohammadi E, Najafi M.

Gene Reports 2017 Mar; 6:128.

Application: Quant, Human, Blood from healthy adults

- [Serum sdLDL-C and Cellular SREBP2-Dependent Cholesterol Levels; Is There a Challenge on Targeting PCSK9?](#)

Soltanmohammadi E, Piran S, Mohammadi A, Hosseini B, Naseri F, Shabani M, Najafi M.

Journal of Medical Biochemistry 2016 Nov; 35(4):410.

Application: Quant, Human, Serum

- [Plasma PCSK9 level affects passively LAMP-2 expression; an evidence of transcription network.](#)

Bitra Hosseini, Mohammad Shabani, Asghar Mohammadi, Faezeh Naseri, Elham Soltanmohammadi, Sadegh Piran, Mohammad Najafi.

Gene Reports 2016 Sep; 4:258.

Application: Quant, Human, Human plasma

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