



## Human PCSK9 AccuSignal ELISA Kit - KOA0659

**Code:** KOA0659

**Size:** 1 Kit

**Product Description:** Human PCSK9 AccuSignal ELISA Kit - KOA0659

### PhysicalState:

<b>Label</b>	Unconjugated
<b>Gene Name</b>	PCSK9
<b>Species Reactivity</b>	Human
<b>Storage Condition</b>	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
<b>Synonyms</b>	Convertase subtilisin/kexin type 9 preproprotein, FH3, HCHOLA3, Hypercholesterolemia autosomal dominant 3, LDLCQ1, NARC 1, NARC-1, NARC1, Neural apoptosis regulated convertase 1, Neural apoptosis-regulated convertase 1, PC 9, PC9, PCSK 9, PCSK9, PCSK9_HUMAN, Proprotein convertase 9, Proprotein convertase PC9, Proprotein convertase subtilisin/kexin type 9, PSEC0052, Subtilisin/kexin like protease PC9, Subtilisin/kexin-like protease PC9
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human PCSK9 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human PCSK9 standard solution and each sample be measured in duplicate.
<b>Background</b>	Proprotein convertase subtilisin/kexin type 9, also known as PCSK9, is an enzyme that in humans is encoded by the PCSK9 gene. This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. By genomic sequence analysis, the PCSK9 gene was mapped to chromosome 1p32. This protein plays a major regulatory role in cholesterol homeostasis. PCSK9 binds to the epidermal growth factor-like repeat A(EGF-A) domain of the low-density lipoprotein receptor(LDLR), inducing LDLR degradation. Reduced LDLR levels result in decreased metabolism of low-density lipoproteins(LDL), which could lead to hypercholesterolemia. PCSK9 may also have a role in the differentiation of cortical neurons.
<b>Purity And Specificity</b>	Natural and recombinant human PCSK9. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	156pg/ml-10,000pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: NSO; Immunogen sequence: S153-Q692
<b>Anti-Coagulant</b>	Heparin Sodium

### Related Products

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

### Related Links

UniProtKB - Q8NBP7

<http://www.uniprot.org/uniprot/Q8NBP7>

NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_777596.2](http://www.ncbi.nlm.nih.gov/protein/NP_777596.2)

GeneID - 255738

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=255738>

KOA0659 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0659-TEB.pdf>

## **Disclaimer**

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