Mouse PCSK9 AccuSignal ELISA Kit - KOA0660

Code: KOA0660 **Size:** 1 Kit

Product Description: Mouse PCSK9 AccuSignal ELISA Kit - KOA0660

PhysicalState:

Label	Unconjugated
Gene Name	PCSK9
Species Reactivity	Mouse
Storage Condition	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.
Synonyms	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
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse PCSK9 standard solution and each sample be measured in duplicate.
Background	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.
Purity And Specificity	Natural and recombinant mouse PCSK9. There is no detectable cross-reactivity with other relevant proteins.
ELISA	62.5pg/ml-4000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: NSO; Immunogen sequence: S156Q-694
Anti-Coagulant	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 - Q80W65
http://www.uniprot.org/uniprot/Q80W65	
NCBI - NP_705793.1	http://www.ncbi.nlm.nih.gov/protein/NP_705793.1
	GeneID - 100102

http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=100102

KOA0660 Protocol http://www.rockland-inc.com/uploadedfiles/Support/KOA0660-TEB.pdf

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.