

For Research Use Only

# Mouse PCSK9 Recombinant monoclonal antibody, PBS Only

Catalog Number: 83004-4-PBS



## Basic Information

Catalog Number: 83004-4-PBS	GenBank Accession Number: NM_153565.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 100102	CloneNo.: 230536E4
Isotype: IgG	UNIPROT ID: Q80W65	
Immunogen Catalog Number: EG0640	Full Name: proprotein convertase subtilisin/kexin type 9	
	Calculated MW: 75KD	

## Applications

**Tested Applications:**  
IF/ICC, IF-P, FC (Intra), Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

PCSK9 (Proprotein convertase subtilisin/kexin type 9) is the ninth member of the proprotein convertase family that regulates lipoprotein homeostasis and altered PCSK9 expression was reportedly associated with tumor development and progression. PCSK9 is primarily synthesized and expressed in the liver but also in many other tissues, such as the intestinal tract, kidney, brain, heart, and blood vessels (PMID: 36242053).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

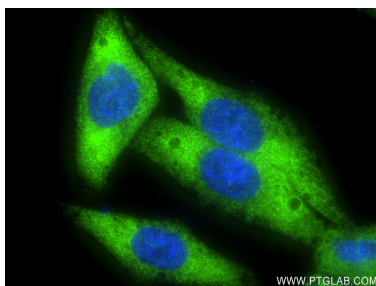
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

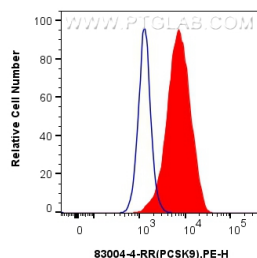
W: [ptgcn.com](http://ptgcn.com)

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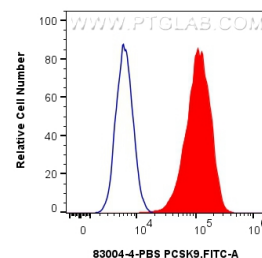
## Selected Validation Data



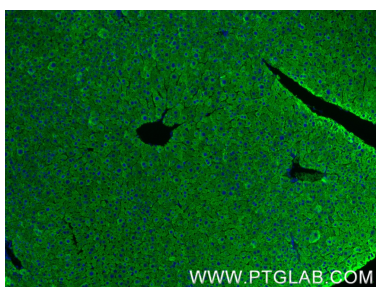
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PCSK9 antibody (83004-4-RR, Clone: 230536E4) at dilution of 1:150 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 83004-4-PBS in a different storage buffer formulation.



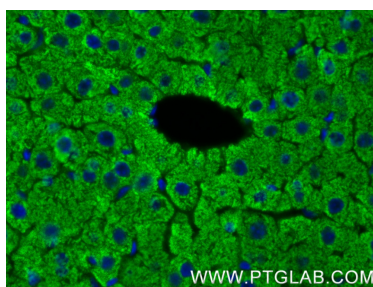
1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug PCSK9 Recombinant antibody (83004-4-RR, Clone:230536E4) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 83004-4-PBS in a different storage buffer formulation.



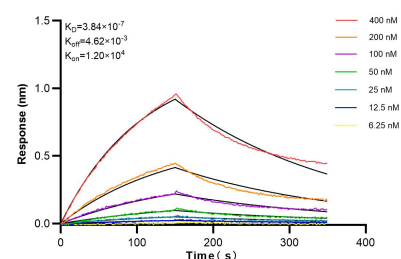
1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug Mouse PCSK9 Recombinant monoclonal antibody, PBS Only (83004-4-PBS, Clone:230536E4) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using PCSK9 antibody (83004-4-RR, Clone: 230536E4) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83004-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using PCSK9 antibody (83004-4-RR, Clone: 230536E4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83004-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83004-4-RR against Mouse PCSK9 were performed. The affinity constant is 384 nM.