

For Research Use Only

# PCSK9 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84172-6-PBS



## Basic Information

Catalog Number:

84172-6-PBS

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0362

GenBank Accession Number:

NM\_174936.4

GeneID (NCBI):

255738

UNIPROT ID:

Q8NBP7

Full Name:

proprotein convertase  
subtilisin/kexin type 9

Calculated MW:

74 kDa

Purification Method:

Protein A purification

CloneNo.:

241395B7

## Applications

Tested Applications:

Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

human

## Background Information

### 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:

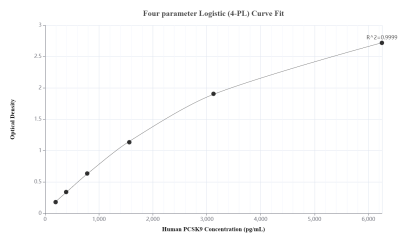
T: 4006900926

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

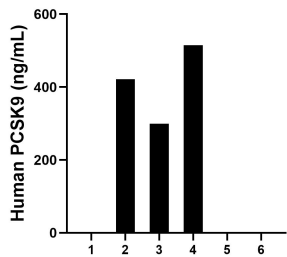
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

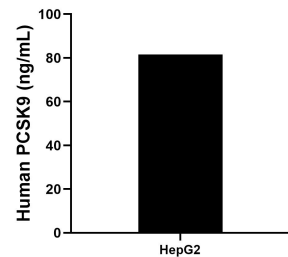
Selected Validation Data



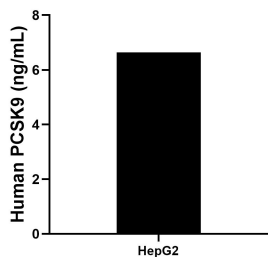
Sandwich ELISA standard curve of MP01071-4, Human PCSK9 Recombinant Matched Antibody Pair - PBS only. 84172-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ego362. 84172-6-PBS was HRP conjugated as the detection antibody. Range: 195-6250 pg/mL



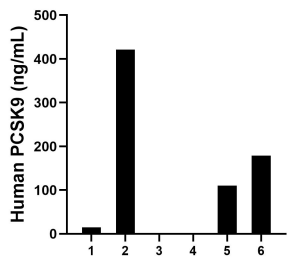
Plasma of six individual healthy human donors was measured. The PCSK9 concentration of detected samples was determined to be 206.0 ng/mL with a range of ND-514.5 ng/mL



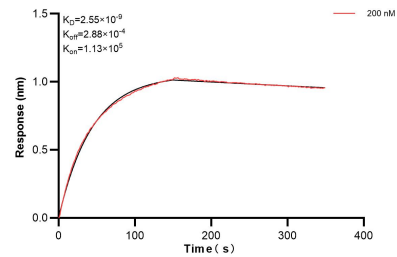
HepG2 were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100  $\mu$ g/mL streptomycin sulfate. An aliquot of the cell culture supernate was removed, assayed for human PCSK9, and measured 81.6 ng/mL



The mean PCSK9 concentration was determined to be 6.6 ng/mL in HepG2 cell extract based on a 2.0 mg/mL extract load.



Serum of six individual healthy human donors was measured. The PCSK9 concentration of detected samples was determined to be 120.8 ng/mL with a range of ND-421.1 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 84172-6-PBS against Human PCSK9 was performed. The affinity constant is 2.55 nM.