

PCSK9 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP01071-4**

Capture Antibody Information

Catalog Number:
84172-4-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
241395G1
Reactivity:
human
GenBank:
NM_174936.4

Conjugate:
Unconjugated
Full name:
proprotein convertase subtilisin/kexin type 9
Gene ID:
255738

Detection Antibody Information

Catalog Number:
84172-6-PBS
Host:
Rabbit
Isotype:
IgG
Purification Method:
Protein A purification

Clone ID:
241395B7
Reactivity:
human
GenBank:
NM_174936.4

Conjugate:
Unconjugated
Full name:
proprotein convertase subtilisin/kexin type 9
Gene ID:
255738

Applications

Tested Applications:
Sandwich ELISA

Range:
195-6250 pg/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP01071-4 targets PCSK9 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: PCSK9 Recombinant antibody, PBS Only (Capture) 84172-4-PBS (241395G1). 100 µg. Concentration 1 mg/mL.

Detection antibody: PCSK9 Recombinant antibody, PBS Only (Detector) 84172-6-PBS (241395B7). 100 µg. Concentration 1 mg/mL.

Alternative PCSK9 matched antibody pairs: MP00059-1, MP00059-2, MP00059-3, MP01071-1, MP01071-2, MP01071-3, MP50055-1

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

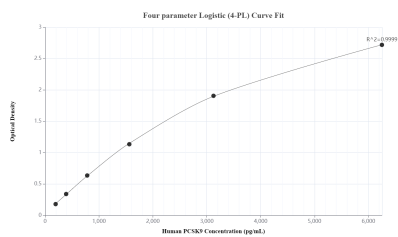
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

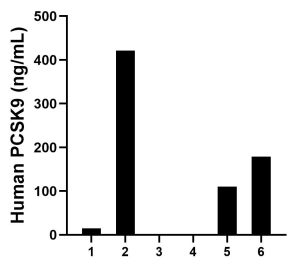
Storage

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

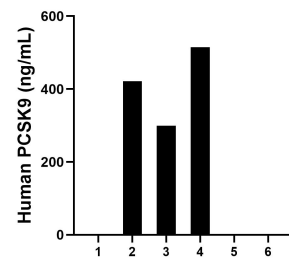
Selected Validation Data



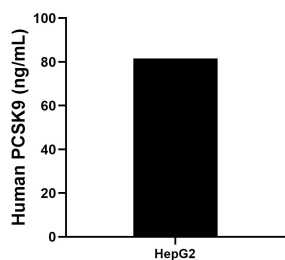
Sandwich ELISA standard curve of MP01071-4, Human PCSK9 Recombinant Matched Antibody Pair - PBS only. 84172-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ego362. 84172-6-PBS was HRP conjugated as the detection antibody. Range: 195-6250 pg/mL



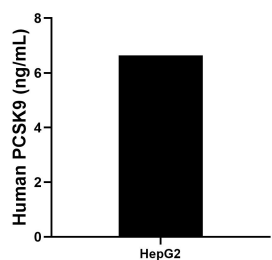
Serum of six individual healthy human donors was measured. The PCSK9 concentration of detected samples was determined to be 120.8 ng/mL with a range of ND-421.1 ng/mL.



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 μ 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.