Proprotein Convertase 9/PCSK9 Monoclonal Antibody(Capture)

catalog number: AN001270P

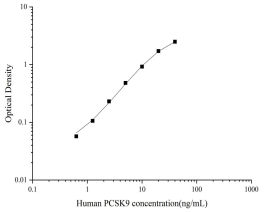
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human Proprotein Convertase 9/PCSK9 protein expressed by Mammalian
Host	Mouse
Isotype	Mouse IgG1
Clone	12C6
Purification	Protein A/G Purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications	Recommended Dilution
ELISA Capture	2-8 μg/mL

Data



Sandwich ELISA-Recombinant Human Proprotein Convertase 9/PCSK9 protein standard curve.Background subtracted standard curve using Proprotein Convertase 9/PCSK9 antibody(AN001270P)(Capture),Proprotein Convertase 9/PCSK9 antibody(AN001280P)(Detector) in sandwich ELISA.The reference range value for Recombinant Human Proprotein Convertase 9/PCSK9 protein is 0.625-400 ng/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

Proprotein Convertase 9/PCSK9 Monoclonal Antibody(Capture)

catalog number: AN001270P

Crucial player in the regulation of plasma cholesterol homeostasis. Binds to low-density lipid receptor family members: low density lipoprotein receptor (lDlR),very low density lipoprotein receptor (VlDlR),apolipoprotein E receptor (lRP1/APOER) and apolipoprotein receptor 2 (lRP8/APOER2),and promotes their degradation in intracellular acidic compartments.Acts via a non-proteolytic mechanism to enhance the degradation of the hepatic lDlR through a clathrin lDlRAP1/ARH-mediated pathway. May prevent the recycling of lDlR from endosomes to the cell surface or direct it to lysosomes for degradation. Can induce ubiquitination of lDlR leading to its subsequent degradation.Inhibits intracellular degradation of APOB via the autophagosome/lysosome pathway in a lDlR-independent manner. Involved in the disposal of non-acetylated intermediates of BACE1 in the early secretory pathway.Inhibits epithelial Na+ channel (ENaC)-mediated Na+ absorption by reducing ENaC surface expression primarily by increasing its proteasomal degradation. Regulates neuronal apoptosis via modulation of lRP8/APOER2 levels and related anti-apoptotic signaling pathways.

For Research Use Only