

**Anti-GCGR Reference Antibody (volagidemab)
Recombinant Antibody
Catalog # APR10709****Specification**

Anti-GCGR Reference Antibody (volagidemab) - Product Information

Application	FC, E, FTA
Primary Accession	P47871
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	147.02 KDa

Anti-GCGR Reference Antibody (volagidemab) - Additional Information**Target/Specificity**
GCGR**Endotoxin**
< 0.001EU/ µg,determined by LAL method.**Conjugation**
Unconjugated**Expression system**
CHO Cell**Format**
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Storage**
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-GCGR Reference Antibody (volagidemab) - Protein Information****Name** GCGR**Function**
G-protein coupled receptor for glucagon that plays a central role in the regulation of blood glucose levels and glucose homeostasis. Regulates the rate of hepatic glucose production by promoting glycogen hydrolysis and gluconeogenesis. Plays an important role in mediating the responses to fasting. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Promotes activation of adenylate cyclase. Besides, plays a role in signaling via a phosphatidylinositol-calcium second messenger system.

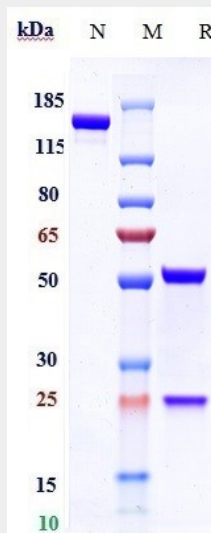
Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Is rapidly internalized after ligand-binding

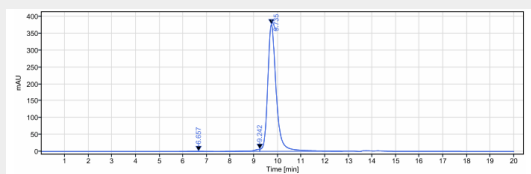
Anti-GCGR Reference Antibody (volagidemab) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GCGR Reference Antibody (volagidemab) - Images

Anti-GCGR Reference Antibody (volagidemab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-GCGR Reference Antibody (volagidemab) is more than 98.43% ,determined by SEC-HPLC.