

**Anti-GCGR Reference Antibody (crotedumab)  
Recombinant Antibody  
Catalog # APR10602**

**Specification**

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**Anti-GCGR Reference Antibody (crotedumab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P47871</a>
Reactivity	Rat, Cynomolgus, Human, Mouse
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	146.82 KDa

**Anti-GCGR Reference Antibody (crotedumab) - 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.

**Anti-GCGR Reference Antibody (crotedumab) - 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.

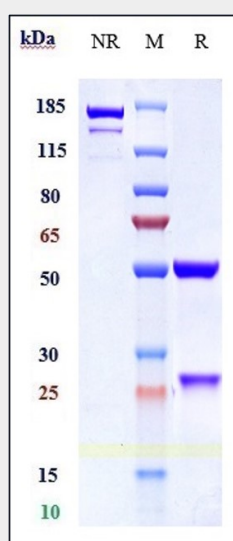
**Cellular Location**  
Cell membrane; Multi-pass membrane protein. Note=Is rapidly internalized after ligand-binding

## Anti-GCGR Reference Antibody (crotedumab) - Protocols

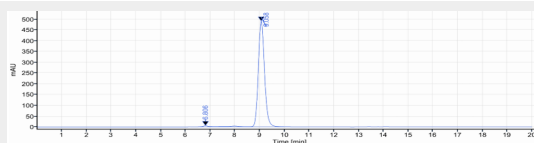
Provided below are standard protocols that you may find useful for product applications.

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

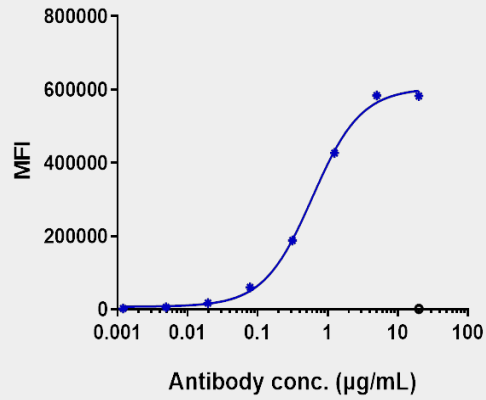
## Anti-GCGR Reference Antibody (crotedumab) - Images



Anti-GCGR Reference Antibody (crotedumab) 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 (crotedumab) is more than 96.61% ,determined by SEC-HPLC.



Human GCCR His EGFP HEK293 cells were stained with Anti-GCGR Reference Antibody (crotedumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC668=0.6028 µg/mL