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Anti-GCGR Reference Antibody (crotedumab)

Recombinant Antibody
Catalog # APR10602

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P47871
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	54009

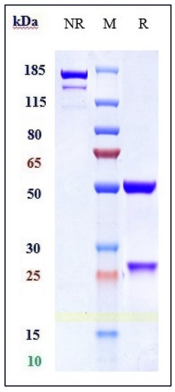
Additional Information

Target/Specificity	GCGR
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

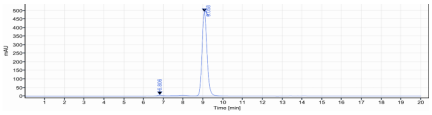
Protein Information

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 (PubMed:32193322, PubMed:38346960). 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

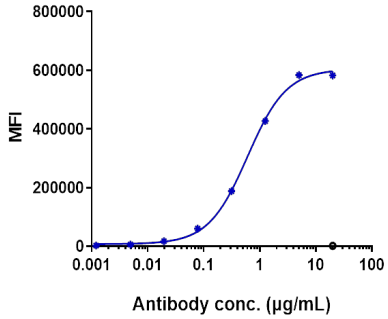
Images



Anti-GCGR Reference Antibody (crotedumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-GCGR Reference Antibody (crotedumab) is 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, EC50=0.6028 ug/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.