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Anti-Glucagon Reference Antibody (Regeneron patent anti-Glucagon)

Catalog # APR11421

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P01275
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	20909

Additional Information

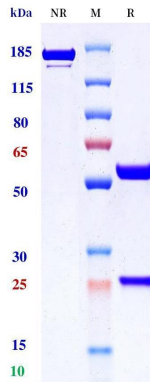
Target/Specificity	Glucagon
Expression system	CHO

Protein Information

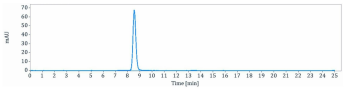
Name	GCG (HGNC:4191)
Function	[Glucagon]: Plays a key role in glucose metabolism and homeostasis. Regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis. A counterregulatory hormone of insulin, raises plasma glucose levels in response to insulin-induced hypoglycemia. Plays an important role in initiating and maintaining hyperglycemic conditions in diabetes. Binds to and activates the glucagon receptor GCGR, which couples to the G(s) G protein and elevates intracellular cAMP, triggering downstream metabolic responses (PubMed:32193322).
Cellular Location	Secreted.
Tissue Location	[Glucagon]: Secreted in the A cells of the islets of Langerhans. [Glucagon-like peptide 2]: Secreted from enteroendocrine cells throughout the gastrointestinal tract. Also secreted in selected neurons in the brain [Oxyntomodulin]: Secreted from enteroendocrine cells throughout the gastrointestinal tract

Images

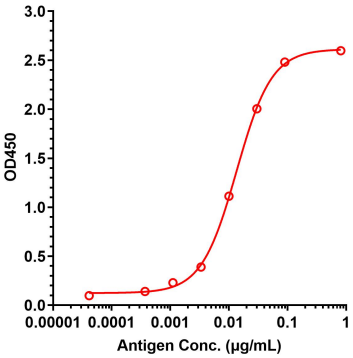
Anti-Glucagon Reference Antibody (Regeneron patent anti-Glucagon) on SDS-PAGE under reducing (R)



condition. The purity of the protein is greater than 95%.



The purity of Anti-Glucagon Reference Antibody (Regeneron patent anti-Glucagon) is 99.07%, determined by SEC-HPLC.



Immobilized hu-Glucagon-his at 2 μg/mL can bind Regeneron patent anti-Glucagon, EC50= 0.01351 μg/mL.