

Recombinant Anti-GCG Antibody (V3S-1022-YC3030)

Cat. No.: V3S-1022-YC3030

Summary

Description	This product is a recombinant Human antibody provided by CreativeBiolabs. The antibody is specific for Glucagon. It can be used for Glucagon detection in Enzyme-Linked Immunosorbent Assay, Flow Cytometry and Radioimmunoassay. It was expressed in mammalian cells (293 F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultrapurified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Human
Target Species	Human
Immunogen	Human GCG
Affinity	The affinity is in nanomolar range, about 0.72 nM (25° C), determined by surface plasmon resonance.
Isotype	IgG1
Isotype Control	C34555; C67002; C43061
Secondary Antibody	C32400; C75370; C10513; C51635

Property

Expression Species	HEK293F or CHO Cell line
Conjugation	Unconjugated, also available for Biotin, HRP, FITC and PE-labeled form.
Purity	>95%, determined by SDS-PAGE and SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Purified with Protein A or G affinity chromatography
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application ELISA; FC; RIA

Target

Target GCG

Alternative Name Glucagon; Glicentin-Related Polypeptide; Glucagon-Like Peptide 1; Glucagon-Like Peptide 2; Preproglucagon; GLP1; GLP2; GRPP

Gene ID [2641](#)

UniProt [P01275](#)

Introduction One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation.

Research Area Signal Pathway; Neuroscience

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