

Recombinant Anti-PG (N-terminus) Antibody (V3S-1022-YC676)

Cat. No.: V3S-1022-YC676

Summary

Description	This product is a recombinant human antibody provided by CreativeBiolabs. The antibody is specific for Progastrin, Progastrin is a pro-hormone that, in physiological conditions, is matured in gastrin in G cells of the stomach. It can be used for PG detection in Radiolimmunoassay, Enzyme-Linked Immunosorbent Assay. It was expressed in mammalian cells (293F 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
Epitope	The epitope is in the N-terminus of PG.
Affinity	The affinity is in nanomolar range, about 6.4 nM, determined by surface plasmon resonance.
Isotype	IgG
Isotype Control	C34555
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 RIA; ELISA

Target

Target PG

Alternative Name Progastrin; PG

Introduction The role of the gastrin is to stimulate the secretion of gastric acids during digestion. Progastrin is a pro-hormone that, in physiological conditions, is matured in gastrin in G cells of the stomach.

Research Area Cell Biology

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