

Datasheet for ABIN7654270
anti-Gastrin antibody (CF®740)



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Overview

Quantity:	100 µL
Target:	Gastrin (GAST)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Gastrin antibody is conjugated to CF®740
Application:	Please inquire

Product Details

Purpose:	Gastrin(GAST/2635), CF740 conjugate
Immunogen:	Recombinant full-length human GAST protein
Clone:	GAST-2635
Isotype:	IgG1, kappa

Characteristics: Gastrin, is a hormone that normally formed by mucosal cells in the gastric antrum and by the D cells of the pancreatic islets. Its primary function is to stimulate secretion of HCl by the gastric mucosa. HCl, in turn, inhibits gastrin formation. It also responsible for stimulating smooth muscle contraction and increasing blood circulation and water secretion in the stomach and intestine. Gastrin is regulated by epidermal growth factor in both mice and humans. Gastrin is excreted in excess by pancreatic tumors in the Zollinger-Ellison syndrome. Gastrin-Releasing Peptide (GRP) stimulates the release of gastrin as well as other gastrointestinal hormones and also acts as an autocrine growth factor for certain cell types. High levels of GRP are found in

Product Details

the human lung just after birth and levels decrease thereafter in parallel with the observed disease in a number of pulmonary neuroendocrine cells. GRP is known to promote lung tumorigenesis in model systems. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	Gastrin (GAST)
Alternative Name:	Gastrin
Background:	Synonyms: Component II, GAS, Gast, Gastrin component I, Gastrin component II, Gastrin component III, Gastrin precursor, Gastrin-14, Gastrin-17, Gastrin-34, Gastrin-52, Gastrin-6, Gastrin-71 Gene Symbol: GAST Tissue Expression: Pancreatic islet cells Stomach
Molecular Weight:	2/4/14 kDa
Gene ID:	2520
UniProt:	P01350

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µL for flow cytometry
Comment:	Positive Control: Human Pituitary or Stomach.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL

Handling

Buffer:	PBS, 0.1 % rBSA, 0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months