

## Gastrin Antibody [clone GAST/2635] (V7826)

| Catalog No.    | Formulation                                                                | Size   |
|----------------|----------------------------------------------------------------------------|--------|
| V7826-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7826-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V7826SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

**Bulk quote request**

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                         |
| <b>Species Reactivity</b> | Human                                                     |
| <b>Format</b>             | Purified                                                  |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                 |
| <b>Isotype</b>            | Mouse IgG1, kappa                                         |
| <b>Clone Name</b>         | GAST/2635                                                 |
| <b>Purity</b>             | Protein G affinity chromatography                         |
| <b>UniProt</b>            | P01350                                                    |
| <b>Localization</b>       | Cytoplasmic, secreted                                     |
| <b>Applications</b>       | ELISA (order BSA-free Format For Coating) :               |
| <b>Limitations</b>        | This Gastrin antibody is available for research use only. |



## Description

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 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.

## **Application Notes**

Optimal dilution of the Gastrin antibody should be determined by the researcher.

## **Immunogen**

A recombinant full-length human GAST protein was used as the immunogen for this Gastrin antibody.

## **Storage**

Store the Gastrin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).