

36-2348: Anti-Gastrin Monoclonal Antibody(Clone: GAST/2632)

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| Clonality : | Monoclonal |
| Clone Name : | GAST/2632 |
| Application : | ELISA |
| Reactivity : | Human |
| Gene : | GAST |
| Gene ID : | 2520 |
| Uniprot ID : | P01350 |
| Alternative Name : | 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 |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant full-length human GAST protein |

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.

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

ELISA (For coating use Ab at 1-5ug/ml, order Ab without BSA)

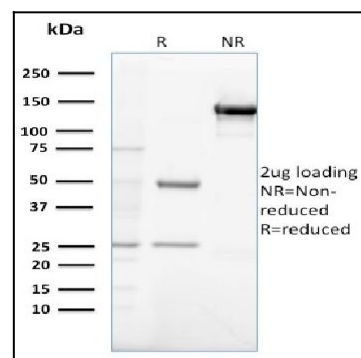


Fig. 1: SDS-PAGE Analysis Purified Gastrin Mouse Monoclonal Antibody (GAST/2632). Confirmation of Purity and Integrity of Antibody.