Gastrin I (human), ELISA kit

The Gastrin I (human), ELISA kit is a colorimetric competitive enzyme immunoassay kit

The Gastrin I (human), EIA kit is a colorimetric competitive enzyme immunoassay kit with results in 5 hours. Absorbance is read at 405 nm. Ready-to-use liquid color-coded reagents are provided to reduce error in the lab.

Gastrins are a family of sequence-related carboxyamidated peptides produced by endocrine G cells of the antrum mucosa, and are potent stimulators of gastric acid secretion. Antral distension, partially digested proteins, amino acids, and vagal stimulation resulting from smelling, tasting, chewing or swallowing food all contribute to gastrin release from G cell storage. In addition, caffeine, alcohol, hypoglycemia, antacids and elevated calcium levels also stimulate gastrin release. Increased serum gastrin levels are associated with duodenal ulcers, Helicobacter pylori infections, colorectal carcinomas, and other tumors and cancerous lesions.

Citations: 4 View Online »

Ordering Information

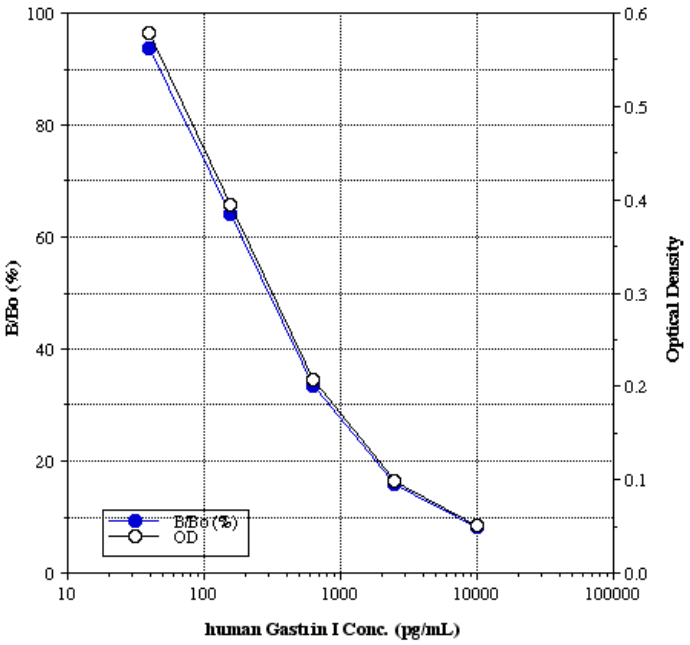
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ADI-900-026	96 wells

Manuals, SDS & CofA

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- Safe - non-radioactive reagents
- Ready-to-use - color coded reagents and pre-coated plates reduce errors
- highly sensitive
- Measure up to 39 samples in duplicate in 5 hours


B/Bo (%)
Optical Density
human Gastrin I Conc. (pg/mL)
B/Bo (%)
OD
100
80
60
40
20
0
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
100
1000
10000
100000

Handling & Storage

Long Term Storage +4°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of human Gastrin I in culture supernatants, plasma, and serum.
Assay Time	5 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	GxR IgG Microtiter plate, Conjugate, Antibody, Assay buffer, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution
Crossreactivity	Gastrin I (1-17) (100%), Minigastrin (G13-I) (74.6%), rat Gastrin I (70.7%), Gastrin II (G-17-II, sulfated) (9.30%), Cholecystokinin 26-33 (CCK-8) (2.67%), Gastrin Tetrapeptide (CCK-4) (1.60%), Big Gastrin (G34-I) (0.80%) and <0.001%: Gastrin Releasing Peptide (GRP), Gastrin Inhibitory Polypeptide (GIP), Glucagon, Bombesin, Pancreatic Polypeptide, Vasoactive Intestinal Peptide (VIP), Somatostatin-14
Sensitivity	7.27 pg/ml (range 39.1 – 10,000 pg/ml)
Species Reactivity	Human
UniProt ID	P01350
Wavelength	405 nm

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