

## Anti GIP (Rat) Serum

Cat. No. Y102 Lot No. 655090129

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) mixture of synthetic GIP (rat) peptide. The product vial contains 50  $\mu$ L of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or other immunoreactions with GIP (rat).

**Immunogen:** Synthetic GIP (rat)/KLH mixture

**Host:** Rabbit

**Amino Acid Sequence of GIP (rat)<sup>1)</sup>:**

YAEGTFISDY SIAMDKIRQQ DFVNWLLAQK GKNDWKHNI TQ

**Product Form:** Lyophilized unpurified serum

**Size:** 50  $\mu$ L

**Reconstitution:** Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN<sub>3</sub> 0.1%).

**Storage:** The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Repeated freezing-thawing should be avoided.

**Suggested Working Dilution Range:** 1:10,000~ for enzyme immunoassay (EIA); 1:5,000~32,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on non-competitive enzyme immunoassay): GIP (rat) 100%, GIP (18-42)(rat) 45%, secretin (rat) 0%, VIP (porcine) 0%, GLP-1 (7-36)-NH<sub>2</sub> <4.5%, GLP-1 (1-36)-NH<sub>2</sub> <3.8%, GLP-2 (rat) 0%, glucagon 0%.

**Positive Control** (immunohistochemistry): Rat duodenum, jejunum, and ileum

**Species Tested:** Rat

### REFERENCES:

- 1) Y. Higashimoto, J. Simchok, R.A. Liddle, Molecular cloning of rat glucose-dependent insulinotropic peptide (GIP). *Biochim. Biophys. Acta.* 1132 (1):72-74, 1992

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SCETI K.K.

DF Kasumigaseki Place, 3-6-7 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 Japan

URL: <http://www.sceti.co.jp/export/> e-mail: [exp-pet@sceti.co.jp](mailto:exp-pet@sceti.co.jp)

<Manufacturer>

Yanaihara Institute Inc.

2480-1 Awakura, Fujinomiya-shi, Shizuoka 418-0011 JAPAN