



## Anti GIP (1-30)-OH (Porcine) Serum

Cat. No. YII-Y100-EX      Lot No. 078171212

**Description:** This antiserum, which recognizes the central portion of GIP (porcine) was raised in a rabbit by immunization with a synthetic GIP (1-30)-OH (porcine) peptide. The product vial contains 50 µL 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 any other immunoreactions with GIP (porcine).

**Immunogen:** Synthetic GIP (1-30)-OH (porcine), carrier free **Host:** Rabbit

**Amino Acid Sequence of GIP (1-30)-OH (porcine)<sup>1)</sup>:**

1 30

YAEGTFISDY SIAMDKIRQQ DFVNWLLAQK GKKSDWKHNI TQ

**Product Form:** Lyophilized unpurified serum **Size:** 50 µL

**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 reconstituted, 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:** 1:2,000 (final dilution ~1:14,000) for radioimmunoassay; 1:1,000- 10,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): GIP (1-30) (porcine) 100%, GIP (porcine) 0.9%, GIP (human) 0%, GIP (1-18) (porcine) 0%, secretin (porcine) 0%, VIP (porcine) 0%, PHI (porcine) 0%, GLP-1 (7-37) 0%<sup>2)</sup>.

**Positive Control** (immunohistochemistry): Rat duodenum

**Species Tested:** Rat

### REFERENCES:

- 1) H. Joernvall, M. Carlquist et al., Amino acid sequence and heterogeneity of gastric inhibitory polypeptide (GIP). FEBS Letters. 123:205-210, 1981
- 2) K. Iguchi, N. Yanaihara et al., Development of porcine GIP (1-30)-OH specific radioimmunoassay and immunoreactive GIP (1-30)-OH in porcine tissue extracts. Proceedings of 13th Gut Hormone Conference, Japan Society of Gut Hormones (Ed.) 11:388-393, 1992

### FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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