

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

Cat. No. Y100 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 μ 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 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)¹⁾:

1 30
Y A E G T F I S D Y S I A M D K I R Q Q D F V N W L L A Q K G K K S D W K H N I T Q

Product Form: Lyophilized unpurified serum

Size: 50 μ 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. NaN₃ 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: 1:2,000 (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%²⁾.

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

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