Anti GIP (Rat) Serum
Cat. No. YII-Y102-EX 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 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 other immunoreactions with GIP (rat).

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

Amino Acid Sequence of GIP (rat)[1]**:**

YAEGTFISDY SIAMDKIRQQ DFVNWLLAQK GKKNDWKHNI 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_3 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_2 < 4.5%, GLP-1 (1-36)-NH_2 < 3.8%, GLP-2 (rat) 0%, glucagon 0%.

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

Species Tested: Rat

REFERENCES:

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

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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