



## Anti Secretin (Rat) Serum

Cat. No. YII-Y032-EX      Lot No. 29120406

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic secretin (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 any other immuno- reaction with secretin (rat).

**Immunogen:** Synthetic secretin (rat), carrier free **Host:** Rabbit

**Amino Acid Sequence of Secretin (rat)<sup>1)</sup>:** HSDGTFTSEL SRLQDSARLQ RLLQGLV-NH<sub>2</sub>

**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 recon- stitution, 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:**

1:2,000-8,000 (final dilution ~1:56,000) for radioimmunoassay;

1: 1,000-4,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): Secretin (rat) 100%, secretin (13-27) (rat) 90%, secretin (1-12) (rat) 0%, secretin (19-27) (rat) < 0.1%, prosecretin (1-41) (rat)< 0.1%, prosecretin (12-41) (rat) < 0.1%, GIP (1-30)-NH<sub>2</sub> (porcine) 0%, GLP-1 (7-36)-NH<sub>2</sub> 0%, glucagon 0%, PHI (rat) 0%, PACAP38 (human) 0%, VIP (porcine) 0%

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

**Species Tested:** Rat<sup>2)</sup>

### **REFERENCES:**

- 1) D. Gossen, A. Vandermeers et al., Isolation and primary structure of rat secretin. Biochemistry Biophysics Research Communication. 160:862-867, 1989
- 2) X. Yu, N. Yanaihara et al., Development of region-specific radioimmunoassays against rat prosecretin or secretin and their characteri- zation. Biomedical Research 20:15-26, 1999

### **FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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