

## **Anti Motilin (Dog) Serum**

**Cat. No. Y120    Lot No. 59150708**

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic motilin (dog) 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 motilin (dog).

**Immunogen:** Synthetic motilin (dog), carrier free

**Host:** Rabbit

**Amino Acid Sequence of Motilin (dog)<sup>1)</sup>:** FVPIFTHSEL QKIREKERNK GQ

**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:** 1:1,500 (final dilution~1:10,500) for radioimmunoassay; 1: 500- 2,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on enzymeimmunoassay): Motilin (dog) 100%, motilin (human, porcine) 20.8%

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

### **REFERENCES:**

- 1) P. Poitras, J.R. Reeve et al., Purification and characterization of canine intestinal motilin. Regulatory Peptides 5:197-208, 1983
- 2) M. Anlauf, E. Weihe et al., Localization of Xenin-immunoreactive cells in the duodenal mucosa of humans and various mammals. Journal of Histochemistry and Cytochemistry 48: 1617-1626, 2000

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