



Anti Motilin (Dog) Serum

Cat. No. YII-Y120-EX 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 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 immuno- reaction with motilin (dog).

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

Amino Acid Sequence of Motilin (dog)¹⁾: FVPIFTHSEL QKIREKERNK GQ

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. 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 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: 1:1,500 (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

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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