



Anti Motilin (Human, Porcine) Serum

Cat. No. YII-Y121-EX Lot No. 110571127

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic motilin (human, porcine) 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 immunoreaction with motilin (human, porcine).

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

Amino Acid Sequence of Motilin (human, porcine)¹⁾: FVPIFITYGEL QRMQEKERNK 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 reconstituted, 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: 1:1,000 (final dilution~1:7,000) 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): Motilin (human, porcine) 100%, motilin (human, porcine) (7-22) 69.2%, motilin (human, porcine) (12-22) 115%, motilin (human, porcine) (1-6) Me 0.09%, [15-glutamine]-motilin (human, porcine) 96.7%²⁾

Positive Control (immunohistochemistry): Porcine duodenum

Species Tested: Porcine, human, dog, rat, emu, chicken, quail^{3,4)}

REFERENCES:

- 1) J.C. Brown, M.A. Cook and J.R. Dryburgh, Motilin, a gastric motor activity stimulating polypeptide: the complete amino acid sequence. Canadian Journal of Biochemistry 51:533-537, 1973
- 2) N. Yanaihara, C. Yanaihara et al., Motilin-like immunoreactivity in porcine, canine, human and rat tissues, Biomedical Research 1: 76-83, 1980
- 3) T. Shimosegawa, S. Kobayashi et al., Motilin-like immunoreactivity in the canine pituitary and pineal glands-a histochemical study. Folia Endocrinologia 60: 54-62, 1984
- 4) J. Yamada, M. Arita et al., Heterogeneity of motilin-immunoreactive cells in the duodenum and pyloric region of avian species, Archives of Histology and Cytology 56: 261-267, 1993

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

