



Anti PHI (Human) Serum

Cat. No. YII-Y020-EX

Lot No. 870271012

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic PHI (human) peptide. The product vial contains 50 μ 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 immunoreaction with PHI (human).

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

Amino Acid Sequence of PHI (human)¹⁾:

HADGVFTSDF SKLLGQLSAK KYLES LM-NH₂

Product Form: Lyophilized unpurified serum **Size:** 50 μ 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. 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 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: 1:1,000-5,000 (final dilution ~1:35,000) 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 radioimmunoassay): PHI (human) 100%, PHI (porcine) 0.14%, PHI (13-27) (human) 30.0%, PHI (20-27) (porcine) 0%, glucagon 0%, secretin (porcine) 0%, VIP (porcine) 0%, GRF (human) 0%

Positive Control (immunohistochemistry): Human colon

Species Tested: Human²⁾

REFERENCES:

- 1) N. Itoh, N. Yanaihara et al., Human preprovasoactive intestinal polypeptide contains a novel PHI-27-like peptide, PHM-27. Nature 304:547-549, 1983
- 2) N. Yanaihara, C. Yanaihara et al., Immunochemical study on PHI/PHM with use of synthetic peptides Peptides 5: 247-254, 1984

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

