



## Anti PHI (Rat) Serum

**Cat. No. YII-Y022-EX      Lot No. 025171011**

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic PHI (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 immunoreaction with PHI (rat).

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

**Amino Acid Sequence of PHI (rat)<sup>1)</sup>:** HADGVFTSDY SRLLGQISAK KYLES LI-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:** 1:2,000-5,000 (final dilution ~1:35,000) 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): PHI (rat) 100%, PHI (human) 80%, PHI (porcine) 75%, secretin (porcine) 0%, VIP (porcine) 0%, PACAP38 (human) 0%

**Positive Control** (immunohistochemistry): Rat colon.

**Species Tested:** Rat

### REFERENCES:

1) M. Nishizawa, N. Yanaihara et al., Nucleotide sequence divergence and functional constraint in VIP precursor mRNA evolution between human and rat. FEBS Letter 183:55-59, 1985

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

