

Anti PTH (1-15) (Mouse, Rat) Serum

Cat. No. Y421

Lot No. 274141024

Description: This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic PTH (1-15) (mouse, rat) 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 PTH (mouse, rat).

Immunogen: Synthetic PTH (1-15) (mouse, rat)-KLH conjugate

Host: Rabbit

Amino Acid Sequence of PTH (1-15) (Mouse, Rat)¹⁾: 1 15
AVSEIQLMHN LGKHL

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: 1:3,000 (final dilution ~1:21,000) 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 enzymeimmunoassay): PTH (1-15) (mouse, rat) 100%, PTH (1-34)-NH₂ (mouse, rat) 10%

Positive Control (immunohistochemistry): Rat parathyroid gland

Species Tested: Rat

REFERENCES:

- 1) G. heinrich, H.M. Kronenberg et al., Gene encoding parathyroid hormone. Nucleotide sequence of the rat gene and deduced amino acid sequence of rat pre- parathyroid hormone. Journal of Biological Chemistry 259:3320, 1984

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