



Anti LH-RH Serum

Cat. No. YII-YP010-EX Lot No. 51390502

Description: This antiserum was raised in a rabbit by immunization with a human serum albumin (HSA) conjugate of synthetic [Glu¹]-LH-RH. The product vial contains 50 µL of the titled compound 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 LH-RH.

Immunogen: Synthetic [Glu¹]-LH-RH (human)-HSA conjugate **Host:** Rabbit

Amino Acid Sequence of LH-RH^{1,2,3}: pEHWSYGLRPG-NH₂

Product Form: Lyophilized unpurified serum **Size:** 50 µL

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH7.0) 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: 1:2,000-10,000 (final dilution ~1:60,000) for radioimmunoassay;

1: 500-4,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay)⁴: LH-RH 100%, LH-RH (4-10) 100%, LH-RH-OH 0.001%, LH-RH (2-8) < 0.001%, somatostatin 0%, neurotensin 0%, substance P 0%, TRH 0%, oxytocin 0%, vasopressin 0%, angiotensin-I 0%

Positive Control (immunohistochemistry): Rat hypothalamus

REFERENCES:

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- 4) M Takahashi, E. Hashimura et al., Preovulatory changes in Luteinizing hormone releasing hormone concentrations in peripheral plasma in constant estrous rats at induced ovulation. *Endocrinologica Japonica* 29:113-120, 1982

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