



Anti α -Endorphin Serum

Cat. No. YII-Y300-EX Lot No. 340471221

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin conjugate (BSA) of α -Endorphin 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 α -Endorphin.

Immunogen: α -Endorphin-BSA conjugate **Host:** Rabbit

Amino Acid Sequence of α -Endorphin¹⁾: YGGFMTSEKS QTPLVT

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 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: 1:2,000 (final dilution \sim 1:14,000) for radioimmunoassay²⁾; 1:200-1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): α -Endorphin 100%, β -endorphin 7%, γ -endorphin 34%, met-enkephalin 0%, leu-enkephalin 0%.

Positive Control (immunohistochemistry): Rat pituitary gland

Species Tested: Rat

REFERENCES:

- 1) S. Nakanishi, A. Inoue et al., Nature, 278: 423-427, 1979
- 2) Y. Ibata, N. Yanaihara, et al., Dopamine and endorphin are contained in different neurons of the arcuate nucleus of hypothalamus as revealed by combined fluorescence histochemistry and immunohistochemistry, Neuroscience Letters, 17:185-189, 1980

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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