## Anti ACTH (1-23) (Mouse, Rat) Serum

Cat. No. Y352 Lot No. 190100513

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole lympet hemocyanin (KLH) conjugate of synthetic ACTH (1-23) (mouse, rat) peptide. The product vial contains  $50 \mu L$  of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohi- stochemistry or any other immunoreaction with the N-terminal portion of ACTH (mouse, rat).

Immunogen: Synthetic ACTH (1-23) (mouse, rat)-KLH conjugate

Host: Rabbit

Amino Acid Sequence of ACTH (1-23) (mouse, rat)<sup>1)</sup>:

SYSMEHFRWG KPVGKKRRPV KVYPNVAENE SAEAFPLEF

**Product Form:** Lyophilized unpurified serum

Size: 50 μL

**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 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:** 1:1,500 (final dilution ~1:10,500) for radioimmunoassay; 1:200-1,000 for immunohistochemistry (frozen or paraffin section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on enzyme imunoassay): ACTH (1-23) (mouse, rat) 100%, ACTH (mouse, rat) 100%

Positive Control (immunohistochemistry): Rat pituitary gland

Species Tested: Rat

## REFERENCES:

1) J. Drouin, M. Chamberland et al., Structure of the rat pro-opiomelanocortin (POMC) gene. FEBS Letters. 193:54-58, 1985

## FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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