



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

**Cat. No. YII-Y352-EX      Lot No. 190100513**

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole limpet 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, immunohistochemistry 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  $\mu$ 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. 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:** 1:1,500 (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 immunoassay): 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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