

## **Anti Calcitonin Gene-Related Peptide ( $\alpha$ -CGRP) (Mouse, Rat) Serum**

**Cat. No. Y340**

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic  $\alpha$ -CGRP (mouse, rat) peptide. The product vial contains 50  $\mu$ 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 CGRP peptides.

**Immunogen:** Synthetic  $\alpha$ -CGRP (mouse, rat), carrier free

**Host:** Rabbit

**Amino Acid Sequence of  $\alpha$ -CGRP (rat)<sup>1,2</sup>:**

SCNTATCVTH RLAGLLSRSG GVVKDNFVPT NVGSEAF

**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. 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:** 1:2,000~ 6,000 (final dilution ~1:42,000) for radioimmunoassay; 1: 1,000~5,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay):  $\alpha$ -CGRP (mouse, rat) 100%

**Positive Control** (immunohistochemistry): Rat colon

**Species Tested:** Rat

### **REFERENCES:**

- 1) S.G. Amara, V. Jonas et al., Alternative RNA processing in calcitonin gene expression generates mRNAs encoding different polypeptide products. *Nature* 298:240-244,1982
- 2) S.G. Amara, J.L. Arriza et al., Expression in brain of a messenger RNA encoding a novel neuropeptide homologous to calcitonin gene-related peptide. *Science* 229:1094-1098,1985

**FOR RESEARCH LABORATORY USE ONLY**  
DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



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