Anti Calcitonin Gene-Related Peptide (a-CGRP) (Mouse, Rat) Serum
Cat. No. YII-Y340-EX Lot No. 41100224

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic a-CGRP (mouse, rat) peptide. The product vial contains 50 µL of the titled antiserum obtained by lyophilizing its 0.001 M phos- phate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistr or any other immu- noreaction with CGRP peptides.

Immunogen: Synthetic a-CGRP (mouse, rat), carrier free **Host:** Rabbit

Amino Acid Sequence of a-CGRP (rat)[1,2]**:**
SCNTATCVTH RLAGLLSRSG GVVKDNFVPT NVGSEAF

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. 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 recon- stitution, 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)**:** a-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

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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