



Catalog Number:	RA24112	Host:	Rabbit
Product Type:	Whole Serum	Species	Rat, Human
Immunogen Sequence:	Synthetic rat alpha-CGRP coupled to bovine thyroglobulin (BTg) with glutaraldehyde.	Reactivity:	
		Format:	Lyophilized 100 ul with 0.09% sodium azide as a preservative.
Applications:	Immunofluorescence: 1:100-1:200 (Fluorescein) 1:1,000-1:2,000 (Streptavidin/HRP)		
Reconstitution:	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be cooled during shipping. For long-term storage, store lyophilized antibody until ready to use at -15° C or lower. Reconstitute with 100 µL of distilled or deionized water.		
Storage:	Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. <i>Avoid repeated freeze-thaw cycles.</i>		

Application Notes

Tissue Preparation:

10 µm cryostats

- Fixative: 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4; 500 mL over ~20-30 min.
- Post Fixation: 1.5 hr. at 4°C in 4% paraformaldehyde in 0.1 M phosphate buffer, pH 7.4.

Immunofluorescence:

The antibody has significant fluorescein staining at a 1/100-1/200 dilution and significant Biotin-Streptavidin/HRP staining at a 1/2,000-1/4,000 dilution in rat amygdala, and spinal cord. The specificity of the antiserum was evaluated by soluble pre-adsorption with the peptides in question at a final concentration of 10⁻⁵ M. CGRP immunolabeling was completely abolished by pre-adsorption with rat α-CGRP and partially eliminated by pre-adsorption with rat β-CGRP. Pre-adsorption with the following peptides resulted in no loss of immunostaining: rat amylin, rat adrenomedullin, calcitonin, neurotensin, somatostatin, substance P, leucine enkephalin, methionine enkephalin, VIP, CCK-8, vasopressin and neuropeptide Y.

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