

ARG52241 anti-CGRP antibody [4901]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4901] recognizes CGRP
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Mamm
Tested Application	FACS, ICC/IF, IHC-Fr
Host	Mouse
Clonality	Monoclonal
Clone	4901
Isotype	IgG2a
Target Name	CGRP
Species	Rat
Immunogen	Purified rat alpha-CGRP
Conjugation	Un-conjugated
Alternate Names	CALC1; CGRP-I; Calcitonin gene-related peptide 1; CGRP1; Calcitonin gene-related peptide I; Alpha-type CGRP; CGRP

Application Instructions

Application table	Application	Dilution
	FACS	1:50 - 1:1000
	ICC/IF	1:50 - 1:100
	IHC-Fr	1:50 - 1:1000

Application Note Specific for Calcitonin Gene Related Peptide. Also recognizes Rat beta CGRP and human alpha-CGRP (10-fold less sensitivity compared to Rat alpha-CGRP). Suggested positive controls are dorsal root ganglia, pancreas and gut. *This antibody is an excellent tool for immunohistochemistry and for multiple labeling immunofluorescence of peripheral tissue like stomach, intestine, pancreas, sensory ganglia, and all the regions of the body that are innervated by primary afferent neurons as well as central nervous tissue.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein G purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CALCA
Gene Full Name	Calcitonin gene-related peptide 1
Background	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katecalcitonin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katecalcitonin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]
Function	CGRP induces vasodilation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet cAMP. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	14 kDa