

## ARG23191 anti-Calcitonin Receptor antibody [31/01-1H10-4-1-14]

Package: 50 µg

Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [31/01-1H10-4-1-14] recognizes Calcitonin Receptor Mouse anti Human calcitonin receptor antibody, clone 31/01-1H10-4-1-14 recognizes the human calcitonin receptor, a membrane protein with seven transmembrane domains that is coupled to G protein messenger systems. Mouse anti Human calcitonin receptor antibody, clone 31/01-1H10-4-1-14 recognizes an epitope within the cytoplasmic domain that is common to both C1a and C1b human isoforms. Calcitonin receptor is expressed in kidney, central and peripheral nervous systems and on osteoclasts. It is also expressed in a number of tissues during the development of the embryo and may be important in foetal morphogenesis.
Tested Reactivity	Hu, Rb
Tested Application	ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	31/01-1H10-4-1-14
Isotype	IgG2a
Target Name	Calcitonin Receptor
Species	Human
Immunogen	Synthetic peptide around the cytoplasmic domain of Human calcitonin receptor. (DIPIYICHQELRNPEANN)
Conjugation	Un-conjugated
Alternate Names	CT-R; CTR1; CTR; CRT; Calcitonin receptor

### Application Instructions

Application table	Application	Dilution
	ELISA	1:1000 - 1:5000
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	1:50 - 1:500
	WB	Assay-dependent
Application Note	IHC-P: Fixation with 4% paraformaldehyde is recommended for optimal results. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
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 or below. 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	CALCR
Gene Full Name	calcitonin receptor
Background	This gene encodes a high affinity receptor for the peptide hormone calcitonin and belongs to a subfamily of seven transmembrane-spanning G protein-coupled receptors. The encoded protein is involved in maintaining calcium homeostasis and in regulating osteoclast-mediated bone resorption. Polymorphisms in this gene have been associated with variations in bone mineral density and onset of osteoporosis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]
Function	This is a receptor for calcitonin. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The calcitonin receptor is thought to couple to the heterotrimeric guanosine triphosphate-binding protein that is sensitive to cholera toxin. [UniProt]
Calculated Mw	55 kDa