

**ARG62377**  
**anti-Calcitonin antibody [CT10]**Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [CT10] recognizes Calcitonin
Tested Reactivity	Hu
Tested Application	IHC-Fr, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	CT10
Isotype	IgG1
Target Name	Calcitonin
Species	Human
Immunogen	Synthetic calcitonin.
Conjugation	Un-conjugated
Alternate Names	CALC1; Calcitonin carboxyl-terminal peptide; CCP; PDN-21; CT

### Application Instructions

Application Note	IHC-Fr and IHC-P: 1: 40-1: 80. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human Thyroid and Medullary Carcinoma of Thyroid tissues

### Properties

Form	Liquid
Buffer	PBS (pH 7.5) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	0.2 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

Database links	<a href="#">GeneID: 796 Human</a>
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Gene Symbol	CALCA
Gene Full Name	Calcitonin
Background	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin 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 katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]
Function	Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones. Katacalcin is a potent plasma calcium-lowering peptide. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	14 kDa