

ARG80776 Human Calcitonin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80776 Human Calcitonin ELISA Kit is an enzyme immunoassay kit for in vitro quantitative measurement of human Calcitonin (CT) in serum.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Calcitonin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450/490 nm
Sensitivity	1.3 pg/ml
Sample Type	Serum.
Standard Range	7.5 - 573 pg/ml
Sample Volume	50 µl
Alternate Names	CALC1; Calcitonin carboxyl-terminal peptide; CCP; PDN-21; CT

Application Instructions

Assay Time	18 h (2-8°C), 30 min (RT)
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Properties

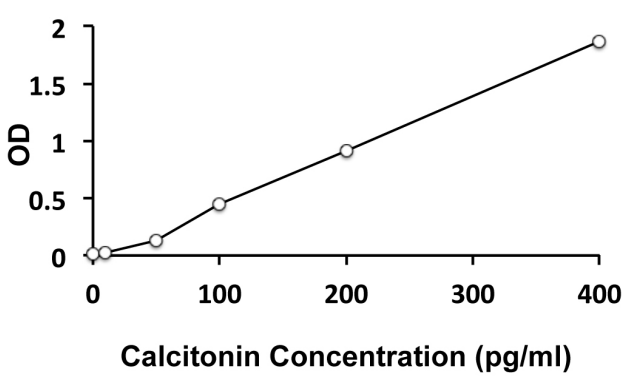
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 796 Human Swiss-port # P06881 Human
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. Katalcalcin is a potent plasma calcium-lowering peptide. [UniProt]
Research Area	Cancer kit; Neuroscience kit; Signaling Transduction kit

Images



ARG80776 Human Calcitonin ELISA Kit example of standard curve image

ARG80776 Human Calcitonin ELISA Kit results of a typical standard run with optical density reading at 450 nm.