

ARG83028 Human Procalcitonin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83028 Human Procalcitonin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Procalcitonin in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not cross-reacts with: Human IL2, IL4, IL6, IL10, TNF beta, LIF, FGF21, EGF, TNF alpha. Mouse IL2, IL4, IL6, IL8, IL10, TNF alpha, PCT. Rat IL2, IL4, IL6, IL8, TNF alpha, PCT.
Target Name	Procalcitonin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	CALCA, Calcitonin Related Polypeptide Alpha, CGRP-Alpha, Calcitonin, CALC1, CGRP, Calcitonin Gene-Related Peptide, Calcitonin Gene-Related Peptide I, Alpha-Type CGR, Calcitonin 1, CGRP I, Calcitonin/Calcitonin-Related Polypeptide, Alph, Katalcalcin, CGRP1, PCT, CT, KC

Application Instructions

Assay Time	~ 4 hours
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Properties

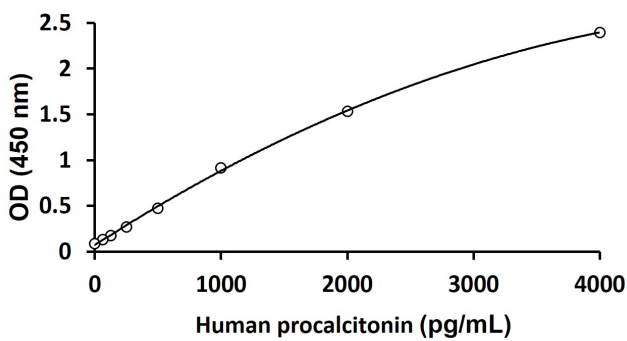
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol	CALCA
Gene Full Name	Calcitonin Related Polypeptide Alpha

Background	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katalcalcin 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 katalcalcin 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]
Highlight	Related products: Procalcitonin antibodies ; Procalcitonin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Amidation, Cleavage on pair of basic residues, Disulfide bond, Phosphoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83028 Human Procalcitonin ELISA Kit standard curve image

ARG83028 Human Procalcitonin ELISA Kit results of standard run with optical density reading at 450 nm