

ARG82679
Human CGRP ELISA KitPackage: 96 wells
Store at: 4°C

Summary

Product Description	ARG82679 Human CGRP ELISA Kit is an Enzyme Immunoassay kit for the quantification of CGRP in serum and plasma.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Cross Reactivity: Human CGRP, Chicken CGRP and Rat CGRP: 100% Human CGRP (8-37): 100% Human CGRP II and Rat CGRP II: 100% Human Calcitonin, Rat CAP, Human Amylin, Human Amylin Amide, Rat Amylin and Substance P: 0%
Target Name	CGRP
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.28 ng/ml
Detection Range	Linear range: 0.28 - 3.38 ng/ml
Sample Type	Serum and plasma.
Standard Range	0.01 - 100 ng/ml
Sample Volume	50 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 15%
Alternate Names	CALC1; CGRP-I; Calcitonin gene-related peptide 1; CGRP1; Calcitonin gene-related peptide I; Alpha-type CGRP; CGRP

Application Instructions

Assay Time ~ 4 hours

Properties

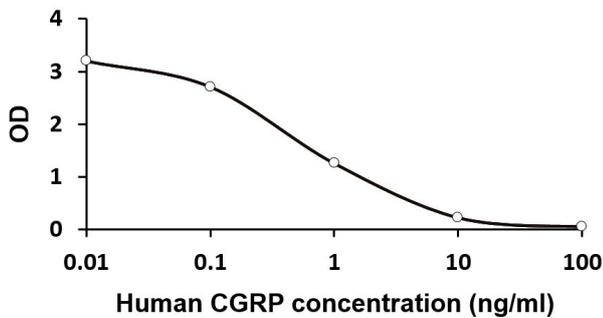
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory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

Bioinformation

Gene Symbol CALCA

Gene Full Name	Calcitonin gene-related peptide 1
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	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]
Highlight	Related products: CGRP antibodies ; CGRP ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82679 Human CGRP ELISA Kit standard curve image

ARG82679 Human CGRP ELISA Kit results of a typical standard run with optical density reading at 450 nm.
