

Human Calcitonin Gene-Related Peptide 1 (CGRP1) RTU ELISA Kit | CGRP1 rtu elisa kit

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CATALOG #
AAA219652

REACTIVITY
Human

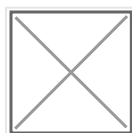
PRODUCT SYNONYMS

Calcitonin Gene-Related Peptide 1 (CGRP1); Human Calcitonin Gene-Related Peptide 1 (CGRP1) ELISA Kit; Alpha-type CGRP; Calcitonin gene-related peptide I(CGRP-I); CGRP1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CGRP1. No significant cross-reactivity or interference between CGRP1 and analogues was observed.
Sequence Length	128
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	31.2-2000pg/mL
Sensitivity	12.2pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CGRP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CGRP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Stable for 12 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CGRP1 rtu elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CGRP1 in human serum, plasma, tissue homogenates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CGRP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CGRP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CGRP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CGRP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	76880478
NCBI GeneID	796
NCBI Accession #	NP_001029125.1
NCBI GenBank Nucleotide #	NM_001033953.2
UniProt Accession #	P06881; Q93048; Q9UCP0; P01258
Molecular Weight	15,467 Da
NCBI Official Full Name	calcitonin gene-related peptide 1 isoform alpha-CGRP preproprotein
NCBI Official Synonym Full Names	calcitonin related polypeptide alpha
NCBI Official Symbol	CALCA
NCBI Official Synonym Symbols	CT; KC; PCT; CGRP; CALC1; CGRP1; CGRP-I
NCBI Protein Information	calcitonin; calcitonin gene-related peptide 1
UniProt Protein Name	Calcitonin gene-related peptide 1
UniProt Gene Name	CALCA
UniProt Synonym Gene Names	CALC1; CGRP-I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/calcitonin-gene-related-peptide-1-cgrp1/219652>