

Human Calcitonin Gene Related Peptide ELISA Kit | CGRP elisa kit

Human Calcitonin Gene Related Peptide (CGRP) (Competitive ELISA) Mini sample ELISA Kit

CATALOG #
AAA189950

REACTIVITY
Human

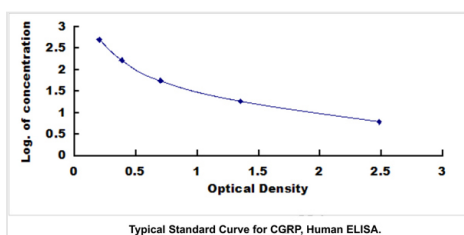
PRODUCT SYNONYMS

Calcitonin Gene Related Peptide; Human Calcitonin Gene Related Peptide (CGRP) (Competitive ELISA) Mini sample ELISA Kit; CALCB; CGRP2; CALC2; CGRP-II; Calcitonin Gene Related Peptide 2; Calcitonin 2; Calcitonin Related Polypeptide Beta; Mini Samples ELISA Kit for Calcitonin Gene Related Peptide (CGRP); CGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CGRP. No significant cross-reactivity or interference between CGRP and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	< 2.12pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CGRP 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 CGRP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CGRP elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to CGRP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled CGRP and unlabeled CGRP (Standards or samples) with the pre-coated antibody specific to CGRP. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of CGRP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of CGRP in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CGRP in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for CGRP elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	9945304
NCBI GeneID	797
NCBI Accession #	NP_000719.1
NCBI GenBank Nucleotide #	NM_000728.3
UniProt Accession #	P10092; Q569I0; Q9UCN9; A8K573; D3DQX4
Molecular Weight	13,706 Da
NCBI Official Full Name	calcitonin gene-related peptide 2
NCBI Official Synonym Full Names	calcitonin related polypeptide beta
NCBI Official Symbol	CALCB
NCBI Official Synonym Symbols	CALC2; CGRP2; CGRP-II
NCBI Protein Information	calcitonin gene-related peptide 2
UniProt Protein Name	Calcitonin gene-related peptide 2
UniProt Gene Name	CALCB
UniProt Synonym Gene Names	CALC2; Beta-CGRP; CGRP-II

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cgrp-human-elisa-kits/calcitonin-gene-related-peptide/189950>