

Mouse Calcitonin Gene Related Peptide (CGRP) ELISA Kit | CGRP elisa kit

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CATALOG #
AAA64927

REACTIVITY
Mouse

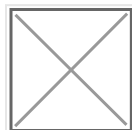
PRODUCT SYNONYMS

Calcitonin Gene Related Peptide (CGRP); Mouse Calcitonin Gene Related Peptide (CGRP) ELISA Kit; CALCB; CGRP2; CALC2; CGRP-II; Calcitonin Gene Related Peptide 2; Calcitonin 2; Calcitonin Related Polypeptide Beta; CGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Sequence Length	130
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	15.625-1000pg/mL
Sensitivity	4.22pg/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CGRP elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CGRP in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20137435
NCBI GeneID	116903
UniProt Accession #	Q99MP3
Molecular Weight	14,623 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	CGRP2; Calc2
NCBI Protein Information	calcitonin gene-related peptide 2
UniProt Protein Name	Calcitonin gene-related peptide 2
UniProt Gene Name	Calcb
UniProt Synonym Gene Names	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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/calcitonin-gene-related-peptide-cgrp/64927>