

Guinea Pig Calcitonin Gene Related Peptide ELISA Kit | CGRP elisa kit

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CATALOG #
AAA86772

REACTIVITY
Guinea Pig

PRODUCT SYNONYMS

Calcitonin Gene Related Peptide; Guinea pig Calcitonin Gene Related Peptide ELISA Kit; CGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This CGRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea Pig CGRP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CGRP elisa kit

Principle of the Assay: CGRP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CGRP. Standards or samples are then added to the microtiter plate wells and CGRP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CGRP present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for CGRP are added to each well to "sandwich" the CGRP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CGRP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CGRP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CGRP elisa kit

[Neurobiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #

[430768606](#)

NCBI GeneID	396256
NCBI Accession #	NP_001258895.1
NCBI GenBank Nucleotide #	NM_001271966.1
Molecular Weight	15,308 Da
NCBI Official Full Name	calcitonin gene-related peptide isoform 3 preproprotein
NCBI Official Synonym Full Names	calcitonin
NCBI Official Symbol	CALCA
NCBI Official Synonym Symbols	CALC; CGRP
NCBI Protein Information	calcitonin; calcitonin gene-related peptide; calcitonin-related polypeptide alpha; calcitonin/calcitonin-related polypeptide, alpha
UniProt Protein Name	Calcitonin gene-related peptide
UniProt Gene Name	CALCA
UniProt Synonym Gene Names	CALC; CGRP
UniProt Entry Name	CALCA_CHICK

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/cgrp-guinea-pig-elisa-kits/calcitonin-gene-related-peptide/86772>