

Canine Calcitonin Gene Related Peptide ELISA Kit | CGRP elisa kit

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CATALOG #
AAA89786

REACTIVITY
Canine

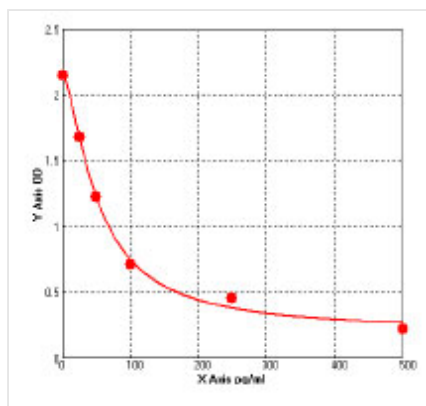
PRODUCT SYNONYMS

Calcitonin Gene Related Peptide; Canine Calcitonin Gene Related Peptide ELISA Kit; CGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CGRP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
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 competitive enzyme immunoassay technique utilizing a polyclonal anti-CGRP antibody and an CGRP-HRP conjugate. The assay sample and buffer are incubated together with CGRP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CGRP concentration since CGRP from samples and CGRP-HRP conjugate compete for the anti-CGRP antibody binding site. Since the number of sites is limited, as more sites are occupied by CGRP from the sample, fewer sites are left to bind CGRP-HRP conjugate. 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. Intended Uses: This CGRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CGRP. This ELISA kit for research use only, not for therapeutic or test applications!
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-canine-elisa-kits/calcitonin-gene-related-peptide/89786>