

Rat CT (Calcitonin) ELISA Kit | CT elisa kit

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CATALOG #
AAA277727

REACTIVITY
Rat

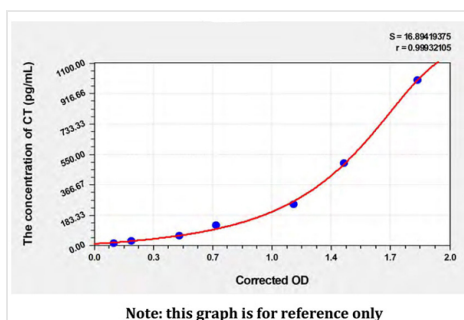
PRODUCT SYNONYMS

CT (Calcitonin); Rat CT (Calcitonin) ELISA Kit; CALCA; CALC; Calcitonin carboxyl-terminal peptide (CCP); PDN-21Calcitonin carboxyl-terminal peptide (CCP); PDN-21; CT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat CT. No significant cross-reactivity or interference between Rat CT and analogues was observed.
Assay Type	Sandwich
Detection Range	15.63-1000 pg/mL
Sensitivity	6.1 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CT elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat CT. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat CT. 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 Rat CT, 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 Rat CT in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	76880484
NCBI GeneID	796
NCBI Accession #	NP_001029124.1
NCBI GenBank Nucleotide #	NM_001033952.2
UniProt Accession #	P01258; Q13935; Q13937; Q52LX7; B7ZL39; P06881
Molecular Weight	15,466 Da
NCBI Official Full Name	calcitonin isoform CT preproprotein
NCBI Official Synonym Full Names	calcitonin-related polypeptide alpha
NCBI Official Symbol	CALCA
NCBI Official Synonym Symbols	CT; KC; CGRP; CALC1; CGRP1; CGRP-I
NCBI Protein Information	calcitonin; calcitonin gene-related peptide 1; katacalcin; calcitonin 1; alpha-type CGRP; calcitonin gene-related peptide I; calcitonin/calcitonin-related polypeptide, alpha
UniProt Protein Name	Calcitonin
UniProt Gene Name	CALCA
UniProt Synonym Gene Names	CALC1; CCP
UniProt Entry Name	CALC_HUMAN

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://www.aaabiotech.com/rat-elisa-kits/ct-calcitonin/277727>