

# Human calcitonin-related polypeptide alpha ELISA Kit | CALCA elisa kit

Human Calcitonin, CT ELISA Kit

CATALOG #  
**AAA80058**

REACTIVITY  
**Human**

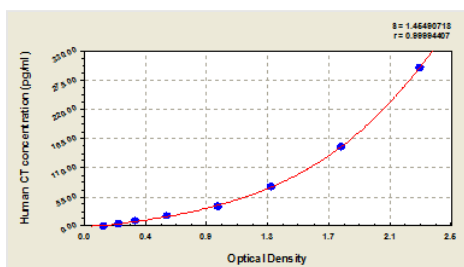
## PRODUCT SYNONYMS

calcitonin-related polypeptide alpha; Human Calcitonin; CT ELISA Kit; CALC1; CGRP; CGRP-I; CGRP1; CT; KC; MGC126648; calcitonin 1; calcitonin gene-related peptide 1; calcitonin/calcitonin-related polypeptide; alpha; katalcalcin; CALCA elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human CT. No significant cross-reactivity or interference between human CT and analogues was observed. |
| Sequence Length         | 141                                                                                                                                                                               |
| Assay Type              | Quantitative Sandwich                                                                                                                                                             |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                 |
| Detection Range         | 4.688 pg/ml-300 pg/ml                                                                                                                                                             |
| Sensitivity             | < 1.172 pg/ml                                                                                                                                                                     |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                           |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                 |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CALCA elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CT bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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; katalcalcin; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/calca-human-elisa-kits/calcitonin-related-polypeptide-alpha/80058>