

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

Mouse Calcitonin, CT ELISA Kit

CATALOG #  
**AAA80660**

REACTIVITY  
**Mouse**

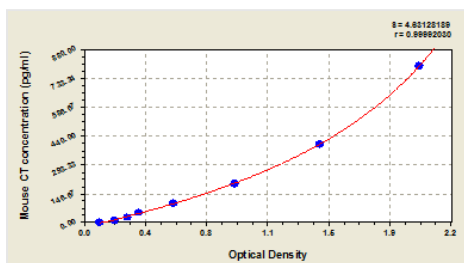
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Mouse CALCA. No significant cross-reactivity or interference between Mouse CALCA and analogues was observed.                                                                                                                                   |
| Sequence Length         | 128                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma, cell culture supernates, tissue homogenates                                                                                                                                                                                                                                                                |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range         | 12.5 pg/ml-800 pg/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | 3.125pg/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume           | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| 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 | <b>Principle of the Assay:</b> 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 #                        | 76880463                                                                                          |
| NCBI GeneID                      | 12310                                                                                             |
| NCBI Accession #                 | NP_001029126.1                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001033954.3                                                                                    |
| UniProt Accession #              | Q99JA0; P70160                                                                                    |
| Molecular Weight                 | 14,065 Da                                                                                         |
| NCBI Official Full Name          | calcitonin gene-related peptide 1 isoform Cgrp preproprotein                                      |
| NCBI Official Synonym Full Names | calcitonin/calcitonin-related polypeptide, alpha                                                  |
| NCBI Official Symbol             | Calca                                                                                             |
| NCBI Official Synonym Symbols    | CA; Ct; Ctn; Calc; Cgrp; CGRP1; Calc1; CGRP-1                                                     |
| NCBI Protein Information         | calcitonin gene-related peptide 1; alpha CGRP; alpha-type CGRP; calcitonin gene-related peptide I |
| UniProt Protein Name             | Calcitonin gene-related peptide 1                                                                 |
| UniProt Gene Name                | Calca                                                                                             |
| UniProt Synonym Gene Names       | Calc; CGRP-I                                                                                      |
| UniProt Entry Name               | CALCA_MOUSE                                                                                       |

**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-mouse-elisa-kits/calcitonin-related-polypeptide-alpha/80660>