

## Rat Carbonic anhydrase 2 ELISA Kit | Ca2 elisa kit

Rat Carbonic anhydrase 2 ELISA Kit

CATALOG #  
**AAA195929**

REACTIVITY  
**Rat**

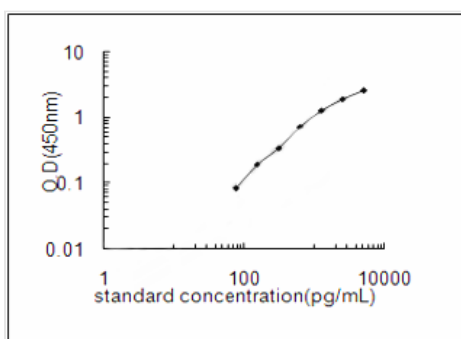
### PRODUCT SYNONYMS

Carbonic anhydrase 2; Rat Carbonic anhydrase 2 ELISA Kit; Carbonate dehydratase II; Carbonic anhydrase II; CA-II; Ca2; 4.2.1.1; Ca2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| Reactivity              | Rat                                                                 |
| Specificity             | Recombinant and natural Rat Carbonic anhydrase 2                    |
| Sequence Length         | 260                                                                 |
| Assay Type              | Sandwich                                                            |
| Detection Range         | 78-5000 pg/mL                                                       |
| Sensitivity             | 39.7 pg/mL                                                          |
| Intra-Assay CV          | <=5.4%                                                              |
| Inter-Assay CV          | <=7.9%                                                              |
| Recovery                | 96%                                                                 |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Ca2 elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve</p> |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                      |
|----------------------------------|----------------------|
| NCBI GI #                        | 9506445              |
| NCBI GeneID                      | 54231                |
| NCBI Accession #                 | NP_062164.1          |
| NCBI GenBank Nucleotide #        | NM_019291.1          |
| UniProt Accession #              | P27139               |
| Molecular Weight                 | 29,114 Da            |
| NCBI Official Full Name          | carbonic anhydrase 2 |
| NCBI Official Synonym Full Names | carbonic anhydrase 2 |
| NCBI Official Symbol             | Car2                 |
| NCBI Official Synonym Symbols    | Ca2                  |
| NCBI Protein Information         | carbonic anhydrase 2 |
| UniProt Protein Name             | Carbonic anhydrase 2 |
| UniProt Gene Name                | Ca2                  |
| UniProt Synonym Gene Names       | CA-II                |
| UniProt Entry Name               | CAH2_RAT             |

**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/ca2-rat-elisa-kits/carbonic-anhydrase-2/195929>