

## Human carbonic anhydrase, CA ELISA Kit | CA elisa kit

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CATALOG #  
**AAA41296**

REACTIVITY  
**Human**

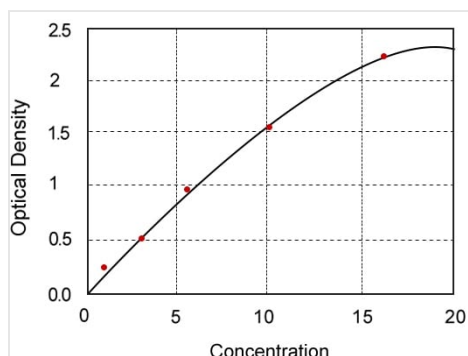
### PRODUCT SYNONYMS

carbonic anhydrase; CA; Human carbonic anhydrase; CA ELISA Kit; CA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Human                                                                    |
| Sequence Length         | 252                                                                      |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 0.5ng/ml - 100ng/ml                                                      |
| Sensitivity             | 0.24ng/ml                                                                |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CA elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of human Carbonic Anhydrase1 (also known as CA1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principles of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human CA1 antibody. CA1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human CA1 Antibody is added and binds to CA1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated CA1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human CA1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                         |                    |
|-------------------------|--------------------|
| NCBI GI #               | 1841441            |
| UniProt Accession #     | Q50940             |
| Molecular Weight        | 28,085 Da          |
| NCBI Official Full Name | carbonic anhydrase |
| UniProt Protein Name    | Carbonic anhydrase |
| UniProt Gene Name       | cah                |

**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/human-elisa-kits/carbonic-anhydrase-ca/41296>