

Human CA1 (Carbonic Anhydrase I) ELISA Kit | CA1 elisa kit

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CATALOG #
AAA278111

REACTIVITY
Human

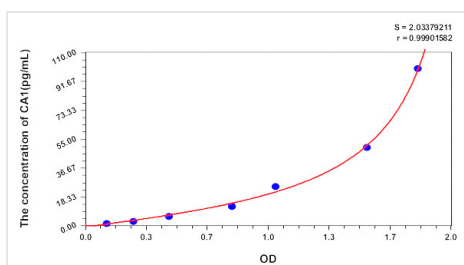
PRODUCT SYNONYMS

CA1 (Carbonic Anhydrase I); Human CA1 (Carbonic Anhydrase I) ELISA Kit; CA-I; CAI; Car1; CAB; Carbonic anhydrase B; Carbonate dehydratase I; CA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.053ng/mL

IMAGES



ADDITIONAL INFORMATION

Related Product Information for CA1 elisa kit

Test Principle: 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 Human CA1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CA1. 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 Human CA1, 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 Human CA1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for CA1 elisa kit

[Enzyme & Kinase](#); [Bone metabolism](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	192447430
NCBI GeneID	759
NCBI Accession #	NP_001122301.1

NCBI GenBank Nucleotide #	NM_001128829.2
UniProt Accession #	P00915
Molecular Weight	28,870 Da
NCBI Official Full Name	carbonic anhydrase 1
NCBI Official Synonym Full Names	carbonic anhydrase I
NCBI Official Symbol	CA1
NCBI Official Synonym Symbols	CAB; CA-I; Car1
NCBI Protein Information	carbonic anhydrase 1; carbonic anhydrase B; carbonic dehydratase; carbonate dehydratase I
UniProt Protein Name	Carbonic anhydrase 1
UniProt Gene Name	CA1
UniProt Synonym Gene Names	CAB; CA-I
UniProt Entry Name	CAH1_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
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/ca1-carbonic-anhydrase-i/278111>