

Human carbonic anhydrase I ELISA Kit | CA1 elisa kit

Human Carbonic anhydrase 1, CA1 ELISA Kit

CATALOG #
AAA113065

REACTIVITY
Human

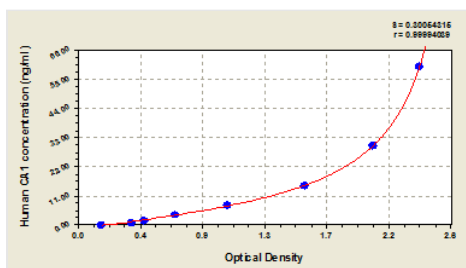
PRODUCT SYNONYMS

carbonic anhydrase I; Human Carbonic anhydrase 1; CA1 ELISA Kit; Human Carbonic anhydrase 1 (CA1) ELISA kit; Car1; carbonic dehydratase; CA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CA1. No significant cross-reactivity or interference between Human CA1 and analogues was observed.
Sequence Length	261
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.9 ng/ml-60 ng/ml
Sensitivity	0.225 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% 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 CA1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CA1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CA1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CA1 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 CA1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	192447430
NCBI GeneID	759
NCBI Accession #	NP_001122301.1
NCBI GenBank Nucleotide #	NM_001128829.3
UniProt Accession #	P00915
Molecular Weight	28,870 Da
NCBI Official Full Name	carbonic anhydrase 1 isoform a
NCBI Official Synonym Full Names	carbonic anhydrase I
NCBI Official Symbol	CA1
NCBI Official Synonym Symbols	CAB; CA-I; Car1; HEL-S-11
NCBI Protein Information	carbonic anhydrase 1; carbonic anhydrase B; carbonate dehydratase I; epididymis secretory protein Li 11
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.

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Online datasheet: <https://stage.aaabiotech.com/ca1-human-elisa-kits/carbonic-anhydrase-i/113065>