

Human Carbonic Anhydrase IV (CA4) ELISA Kit | CA4 elisa kit

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CATALOG #
AAA42711

REACTIVITY
Human

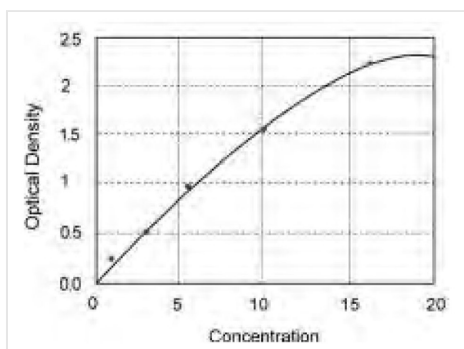
PRODUCT SYNONYMS

Carbonic Anhydrase IV (CA4); Human Carbonic Anhydrase IV (CA4) ELISA Kit; CA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	312
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	0.2-60ng/ml
Sensitivity	0.093ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. 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 CA4 elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human CA4 antibody. CA4 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human CA4 Antibody is added and binds to CA4 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated CA4 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 CA4. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Carbonic Anhydrase 4 (also known as CA4) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	179791
NCBI GeneID	762
UniProt Accession #	P22748; Q6FHI7; B4DQA4
Molecular Weight	11,599 Da
NCBI Official Full Name	carbonic anhydrase IV
NCBI Official Synonym Full Names	carbonic anhydrase 4
NCBI Official Symbol	CA4
NCBI Official Synonym Symbols	CAIV; Car4; RP17
NCBI Protein Information	carbonic anhydrase 4
UniProt Protein Name	Carbonic anhydrase 4
UniProt Gene Name	CA4
UniProt Synonym Gene Names	CA-IV

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-iv-ca4/42711>