

Human CA4 ELISA Kit | CA4 elisa kit

Human CA4 (Carbonic Anhydrase IV) ELISA Kit

CATALOG #
AAA164264

REACTIVITY
Human

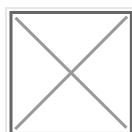
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CA4. No significant cross-reactivity or interference between Human CA4 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human CA4 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	312
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	Min: 0.469ng/mL; Max: 50ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA4 elisa kit

Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CA4 in human serum, plasma and other biological fluids

Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CA4. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human CA4 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CA4, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human CA4. You can calculate the concentration of Human CA4 in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502519
NCBI GeneID	762
NCBI Accession #	NP_000708.1
NCBI GenBank Nucleotide #	NM_000717.3
UniProt Accession #	P22748; Q6FHI7; B4DQA4
Molecular Weight	11,599 Da
NCBI Official Full Name	carbonic anhydrase 4
NCBI Official Synonym Full Names	carbonic anhydrase IV
NCBI Official Symbol	CA4
NCBI Official Synonym Symbols	CAIV; Car4; RP17
NCBI Protein Information	carbonic anhydrase 4; CA-IV; carbonate dehydratase IV; carbonic dehydratase IV
UniProt Protein Name	Carbonic anhydrase 4
UniProt Gene Name	CA4
UniProt Synonym Gene Names	CA-IV
UniProt Entry Name	CAH4_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/human-elisa-kits/ca4/164264>