

Human Carbonic Anhydrase 6, CA 6 ELISA Kit | CA6 elisa kit

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CATALOG #
AAA246969

REACTIVITY
Human

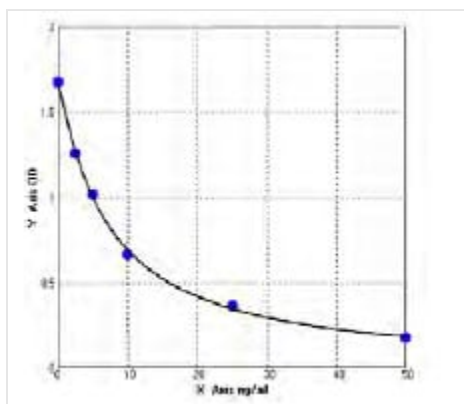
PRODUCT SYNONYMS

Carbonic Anhydrase 6; CA 6; Human Carbonic Anhydrase 6; CA 6 ELISA Kit; CA6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CA6. No significant cross-reactivity or interference between CA6 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CA6 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA6 elisa kit	Intended Uses: This CA6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CA6. This ELISA kit for research use only! Principle of the Assay: CA6 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CA6 antibody and an CA6-HRP conjugate. The assay sample and buffer are incubated together with CA6-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CA6 concentration since CA6 from samples and CA6-HRP conjugate compete for the anti-CA6 antibody binding site. Since the number of sites is limited, as more sites are occupied by CA6 from the sample, fewer sites are left to bind CA6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CA6 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CA6 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	70167127
NCBI GeneID	765
NCBI Accession #	NP_001206.2
NCBI GenBank Nucleotide #	NM_001215.3
Molecular Weight	28,687 Da
NCBI Official Full Name	carbonic anhydrase 6 isoform 1
NCBI Official Synonym Full Names	carbonic anhydrase VI
NCBI Official Symbol	CA6
NCBI Official Synonym Symbols	CA-VI; GUSTIN
NCBI Protein Information	carbonic anhydrase 6; carbonate dehydratase VI; salivary carbonic anhydrase; secreted carbonic anhydrase
UniProt Protein Name	Carbonic anhydrase 6
UniProt Gene Name	CA6
UniProt Synonym Gene Names	CA-VI
UniProt Entry Name	CAH6_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://stage.aaabiotech.com/ca6-human-elisa-kits/carbonic-anhydrase-6-ca-6/246969>