

Human Carbonic Anhydrase VI (CA6) ELISA Kit | CA6 elisa kit

Human Carbonic Anhydrase VI (CA6) ELISA Kit

CATALOG #
AAA66331

REACTIVITY
Human

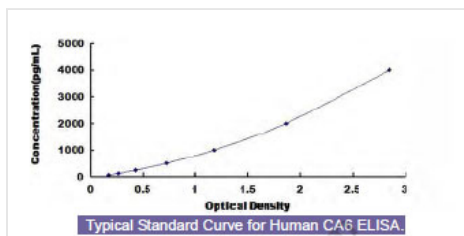
PRODUCT SYNONYMS

Carbonic Anhydrase VI (CA6); Human Carbonic Anhydrase VI (CA6) ELISA Kit; CA-VI; CAVI; GUSTIN; Carbonate dehydratase VI; Salivary carbonic anhydrase; Secreted carbonic anhydrase; 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.
Sequence Length	308
Samples	Serum, plasma, saliva and other biological fluids.
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	29.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CA6 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CA6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA6 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CA6 in human serum, plasma, saliva and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CA6. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CA6. 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 CA6, 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 CA6 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	70167127
NCBI GeneID	765
NCBI Accession #	NP_001206.2
NCBI GenBank Nucleotide #	NM_001215.3
UniProt Accession #	P23280; Q5FBW3; Q5FC00; Q96QX8; Q9UF03; E7EMQ1
Molecular Weight	28,687 Da
NCBI Official Full Name	carbonic anhydrase 6 isoform 1
NCBI Official Synonym Full Names	carbonic anhydrase 6
NCBI Official Symbol	CA6
NCBI Official Synonym Symbols	CA-VI; GUSTIN
NCBI Protein Information	carbonic anhydrase 6
UniProt Protein Name	Carbonic anhydrase 6
UniProt Gene Name	CA6
UniProt Synonym Gene Names	CA-VI

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.