

Carbonic Anhydrase II (CA2) ELISA Kit | CA2 elisa kit

Monkey Carbonic Anhydrase II (CA2) ELISA Kit

CATALOG #
AAA63554

REACTIVITY
Rhesus monkey

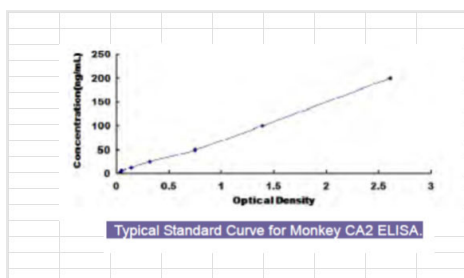
PRODUCT SYNONYMS

Carbonic Anhydrase II (CA2); Monkey Carbonic Anhydrase II (CA2) ELISA Kit; CA-II; CAII; Car2; CAC; Carbonate dehydratase II; Carbonic anhydrase C; CA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rhesus monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of CA2. No significant cross-reactivity or interference between CA2 and analogues was observed.
Sequence Length	260
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.22ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CA2 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 CA2 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 CA2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CA2 in monkey serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CA2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CA2. 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 CA2, 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 CA2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	306482615
NCBI GeneID	574263
NCBI Accession #	NP_001182346.1
NCBI GenBank Nucleotide #	NM_001195417.1
UniProt Accession #	Q6UIR8
Molecular Weight	16,301 Da
NCBI Official Full Name	carbonic anhydrase 2
NCBI Official Symbol	CA2
NCBI Protein Information	carbonic anhydrase 2
UniProt Protein Name	Carbonic anhydrase II
UniProt Gene Name	CA2

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/monkey-rhesus-monkey-elisa-kits/carbonic-anhydrase-ii-ca2/63554>