

Rat CA2 ELISA Kit | CA2 elisa kit

Rat CA2 (Carbonic Anhydrase II) ELISA Kit

CATALOG #
AAA164979

REACTIVITY
Rat

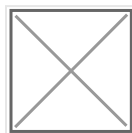
PRODUCT SYNONYMS

CA2; Rat CA2 (Carbonic Anhydrase II) ELISA Kit; CA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat CA2. No significant cross-reactivity or interference between Rat CA2 and analogues was observed.
Sequence Length	260
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	2.813-180ng/mL
Sensitivity	Min: 1.688ng/mL; Max: 180ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA2 elisa kit

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat CA2 concentrations in 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 CA2. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for CA2 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 CA2, 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 CA2. You can calculate the concentration of CA2 in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

49456705

NCBI GeneID	760
UniProt Accession #	P00918; Q6FI12; Q96ET9; B2R7G8
Molecular Weight	29,246 Da
NCBI Official Full Name	CA2, partial
NCBI Official Synonym Full Names	carbonic anhydrase II
NCBI Official Symbol	CA2
NCBI Official Synonym Symbols	CAC; CAII; Car2; CA-II; HEL-76
NCBI Protein Information	carbonic anhydrase 2; carbonate dehydratase II; carbonic anhydrase B; carbonic anhydrase C; carbonic dehydratase; epididymis luminal protein 76
UniProt Protein Name	Carbonic anhydrase 2
UniProt Gene Name	CA2
UniProt Synonym Gene Names	CAC; CA-II
UniProt Entry Name	CAH2_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/rat-elisa-kits/ca2/164979>