

Chicken Carbonic Anhydrase II ELISA Kit | CA2 elisa kit

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CATALOG #
AAA89790

REACTIVITY
Chicken

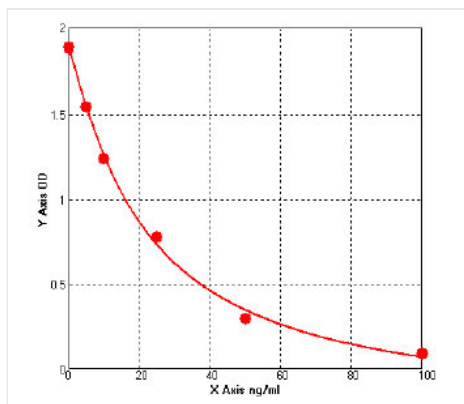
PRODUCT SYNONYMS

Carbonic Anhydrase II; Chicken Carbonic Anhydrase II ELISA Kit; CA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of CAII. No significant cross-reactivity or interference between CAII and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CAII and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This CA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CA2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA2 elisa kit	Principle of the Assay: CAII ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CAII antibody and an CAII-HRP conjugate. The assay sample and buffer are incubated together with CAII-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 CAII concentration since CAII from samples and CAII-HRP conjugate compete for the anti-CAII antibody binding site. Since the number of sites is limited, as more sites are occupied by CAII from the sample, fewer sites are left to bind CAII-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAII concentration in each sample is interpolated from this standard curve. Intended Uses: This CAII ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CAII. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CA2 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456705
NCBI GeneID	760
UniProt Accession #	P00918; Q6F112; 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; carbonic anhydrase B; carbonic anhydrase C; carbonic dehydratase; carbonate dehydratase II; 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/ca2-chicken-elisa-kits/carbonic-anhydrase-ii/89790>