

Chicken Carbonic anhydrase ELISA Kit | CA elisa kit

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CATALOG #
AAA91669

REACTIVITY
Chicken

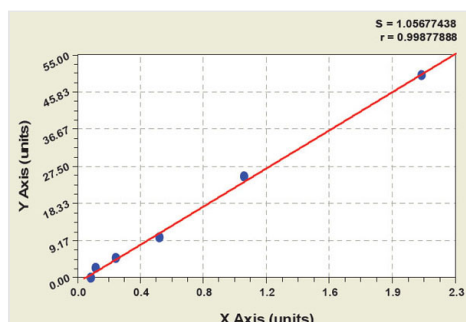
PRODUCT SYNONYMS

Carbonic anhydrase; Chicken Carbonic anhydrase ELISA Kit; CA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Intended Uses	This CA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CA. 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 CA elisa kit

Principle of the Assay: CA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CA. Standards or samples are then added to the microtiter plate wells and CA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CA present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for CA are added to each well to "sandwich" the CA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CA concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CA elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	30693687
NCBI GeneID	824438
NCBI Accession #	NP_566971.2
NCBI GenBank Nucleotide #	NM_115132.2
Molecular Weight	21,752 Da
NCBI Official Full Name	alpha carbonic anhydrase 1
NCBI Official Symbol	ACA1
NCBI Official Synonym Symbols	A. THALIANA ALPHA CARBONIC ANHYDRASE 1; ACA1; alpha carbonic anhydrase 1; ATACA1; CAH1; CARBONIC ANHYDRASE 1
NCBI Protein Information	alpha carbonic anhydrase 1
UniProt Protein Name	Alpha carbonic anhydrase 1, chloroplastic
UniProt Gene Name	ACA1
UniProt Synonym Gene Names	CAH1; At3g52720; F3C22.120; AtaCA1; AtalphaCA1
UniProt Entry Name	ATCA1_ARATH

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/ca-chicken-elisa-kits/carbonic-anhydrase/91669>