

Sheep Carbonic Anhydrase II ELISA Kit | CA2 elisa kit

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CATALOG #
AAA89039

REACTIVITY
Sheep

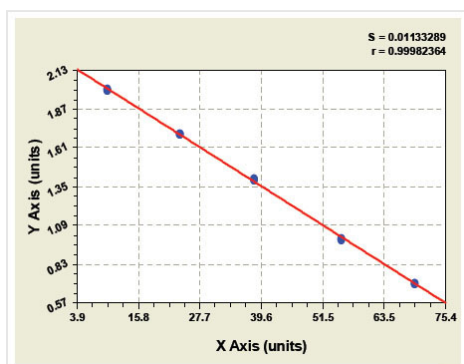
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 Sheep 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: CA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CA2 antibody and an CA2-HRP conjugate. The assay sample and buffer are incubated together with CA2-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 CA2 concentration since CA2 from samples and CA2-HRP conjugate compete for the anti-CA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CA2 from the sample, fewer sites are left to bind CA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CA2 concentration in each sample is interpolated from this 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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ca2-sheep-elisa-kits/carbonic-anhydrase-ii/89039>