

Canine Angiotensin I Converting Enzyme ELISA Kit | ACE elisa kit

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CATALOG #
AAA89390

REACTIVITY
Canine

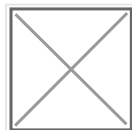
PRODUCT SYNONYMS

Angiotensin I Converting Enzyme; Canine Angiotensin I Converting Enzyme ELISA Kit; ACE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE elisa kit

Intended Uses: This ACE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ACE. This ELISA kit for research use only!

Principle of the Assay: ACE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACE antibody and an ACE-HRP conjugate. The assay sample and buffer are incubated together with ACE-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 ACE concentration since ACE from samples and ACE-HRP conjugate compete for the anti-ACE antibody binding site. Since the number of sites is limited, as more sites are occupied by ACE from the sample, fewer sites are left to bind ACE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACE concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ACE elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI

76057114

NCBI GeneID	1636
Molecular Weight	78,694 Da
NCBI Official Full Name	angiotensin I converting enzyme, partial
NCBI Official Synonym Full Names	angiotensin I converting enzyme
NCBI Official Symbol	ACE
NCBI Official Synonym Symbols	DCP; ICH; ACE1; DCP1; CD143; MVCD3
NCBI Protein Information	angiotensin-converting enzyme; kininase II; peptidase P; CD143 antigen; testicular ECA; carboxycathepsin; dipeptidyl carboxypeptidase 1; dipeptidyl carboxypeptidase I; angiotensin converting enzyme, somatic isoform; angiotensin I converting enzyme (peptidyl-dipeptidase A) 1; angiotensin I converting enzyme peptidyl-dipeptidase A 1 transcript
UniProt Protein Name	Angiotensin-converting enzyme
UniProt Gene Name	ACE
UniProt Synonym Gene Names	DCP; DCP1; ACE
UniProt Entry Name	ACE_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/ace-canine-elisa-kits/angiotensin-i-converting-enzyme/89390>