

Human Angiotensin I Converting Enzyme ELISA Kit | ACE elisa kit

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CATALOG #
AAA83390

REACTIVITY
Human

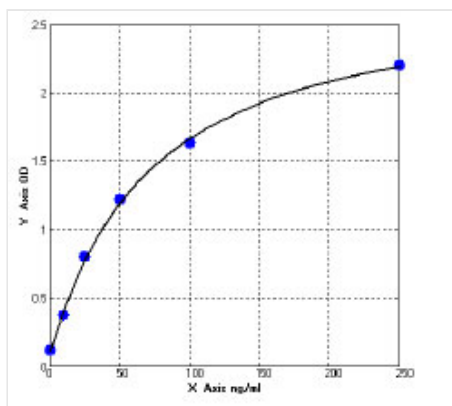
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACE. No significant cross-reactivity or interference between ACE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACE and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	1.0 ng/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 Human ACE. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ACE ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ACE. Standards or samples are then added to the microtiter plate wells and ACE if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ACE present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ACE are added to each well to "sandwich" the ACE 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 ACE 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 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://www.aaabiotech.com/ace-human-elisa-kits/angiotensin-i-converting-enzyme/83390>