

Mouse Angiotensin I Converting Enzyme ELISA Kit | ACE elisa kit

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CATALOG #
AAA84007

REACTIVITY
Mouse

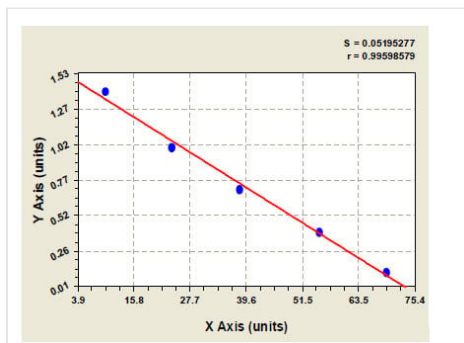
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/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 Mouse ACE. This ELISA kit for research use only!

Principle of the Assay||ACE ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal 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.

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-mouse-elisa-kits/angiotensin-i-converting-enzyme/84007>