

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

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CATALOG #
AAA84524

REACTIVITY
Mouse

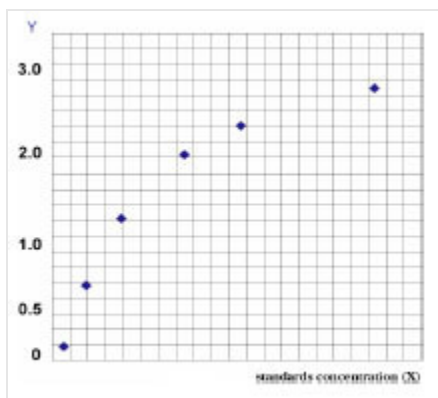
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE I elisa kit

Intended Uses: This ACE I ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of ACE I in the sample, this ACE I ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus ACE I concentration. The concentration of ACE I in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This ACE I enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for ACE I. Standards or samples are then added to the microtiter plate wells and ACE I if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ACE I present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for ACE I are added to each well to "sandwich" the ACE I immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ACE I and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37790804
NCBI GeneID	1636
UniProt Accession #	P12821; P22966; Q53YX9; Q59GY8; Q7M4L4; B0LPF0; B4DXI3; E7EU16
Molecular Weight	149,715 Da
NCBI Official Full Name	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1
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.