

Mouse Angiotensin I Converting Enzyme (ACE) CLIA Kit | ACE clia kit

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CATALOG # AAA188768	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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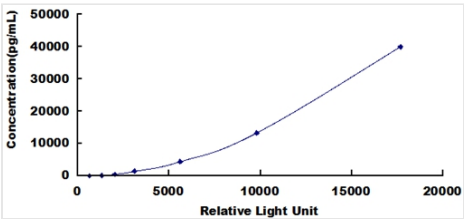
PRODUCT SYNONYMS

Angiotensin I Converting Enzyme (ACE); Mouse Angiotensin I Converting Enzyme (ACE) CLIA Kit; Angiotensin I Converting Enzyme; CD143; ACE1; DCP1; ACEI; ACE-I; Kininase II; Angiotensin-Converting Enzyme; Peptidyl-Dipeptidase A; Dipeptidyl Carboxypeptidase 1; Angiotensin-converting enzyme; soluble form; ACE clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Angiotensin I Converting Enzyme (ACE). No significant cross-reactivity or interference between Angiotensin I Converting Enzyme (ACE) and analogues was observed.
Sequence Length	1312
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cerebrospinal fluid, cell lysates, cell culture supernates and other biological fluids
Detection Range	54.9-40,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 21.5pg/mL
Applicable Applications for ACE clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Angiotensin I Converting Enzyme (ACE) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Angiotensin I Converting Enzyme (ACE) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Angiotensin I Converting Enzyme (ACE). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Angiotensin I Converting Enzyme (ACE). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Angiotensin I Converting Enzyme (ACE) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	73920183
NCBI GeneID	11421
UniProt Accession #	P09470
NCBI Official Full Name	Angiotensin-converting enzyme
NCBI Official Synonym Full Names	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1
NCBI Official Symbol	Ace
NCBI Official Synonym Symbols	CD143; AW208573
NCBI Protein Information	angiotensin-converting enzyme
UniProt Protein Name	Angiotensin-converting enzyme
UniProt Gene Name	Ace
UniProt Synonym Gene Names	Dcp1; ACE
UniProt Entry Name	ACE_MOUSE

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/mouse-clia-kits/angiotensin-i-converting-enzyme-ace/188768>