

Rat Angiotensin-converting enzyme ELISA Kit | Ace elisa kit

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CATALOG #
AAA101522

REACTIVITY
Rat

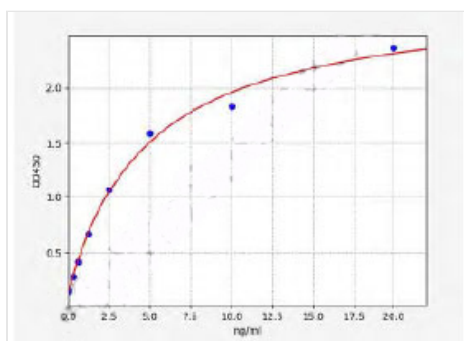
PRODUCT SYNONYMS

Angiotensin-converting enzyme; Rat Angiotensin-converting enzyme ELISA Kit; ACE/CD143/DCP1/Kininase II/ACE1angiotensin converting enzyme; somatic isoform/angiotensin I converting enzyme (peptidyl-dipeptidase A) 1/carboxycathepsin/CD143/CD143 antigen/DCP/DCP1angiotensin-converting enzyme/dipeptidyl carboxypeptidase 1/Dipeptidyl carboxypeptidase I/ Kininase II/MVCD3/peptidase P/testicular ECA; Ace elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Sequence Length	732
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ace elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	338667
NCBI GeneID	1636
Molecular Weight	78,694 Da
NCBI Official Full Name	angiotensin converting enzyme (EC 3.4.15.1)
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
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-rat-elisa-kits/angiotensin-converting-enzyme/101522>