

## Mouse angiotensin I converting enzyme (peptidyl-dipeptidase A) 1 ELISA Kit | ACE elisa kit

Mouse Angiotensin converting enzyme, ACE ELISA Kit

CATALOG #  
**AAA80291**

REACTIVITY  
**Mouse**

### PRODUCT SYNONYMS

angiotensin I converting enzyme (peptidyl-dipeptidase A) 1; Mouse Angiotensin converting enzyme; ACE ELISA Kit; ACE1; CD143; DCP; DCP1; MGC26566; MVCD3; CD143 antigen; angiotensin I converting enzyme 1; angiotensin converting enzyme; somatic isoform; carboxycathepsin; dipeptidyl carboxypeptidase 1; kininase II; pep; ACE elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of mouse ACE. No significant cross-reactivity or interference between mouse ACE and analogues was observed. |
| Sequence Length         | 732                                                                                                                                                                                 |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                   |
| Assay Type              | Quantitative Sandwich                                                                                                                                                               |
| Detection Range         | 1.56 ng/ml-100 ng/ml                                                                                                                                                                |
| Sensitivity             | < 0.39 ng/ml                                                                                                                                                                        |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                    |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                             |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ACE elisa kit

**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ACE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACE is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ACE bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 33468873                                                                                        |
| NCBI GeneID                      | 11421                                                                                           |
| NCBI Accession #                 | NP_033728.1                                                                                     |
| NCBI GenBank Nucleotide #        | NM_009598.2                                                                                     |
| UniProt Accession #              | P09470; P22967; Q6GTS2                                                                          |
| Molecular Weight                 | 150,918 Da                                                                                      |
| NCBI Official Full Name          | angiotensin-converting enzyme isoform 2                                                         |
| 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; kininase II; dipeptidyl peptidase; dipeptidyl carboxypeptidase I |
| UniProt Protein Name             | Angiotensin-converting enzyme                                                                   |
| UniProt Gene Name                | <b>Ace</b>                                                                                      |
| 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/ace-mouse-elisa-kits/angiotensin-i-converting-enzyme-peptidyl-dipeptidase-a-1/80291>