

## Canine Angiotensin-converting enzyme 2 (ACE2) ELISA Kit | ACE2 elisa kit

Canine Angiotensin-converting enzyme 2 (ACE2) ELISA Kit

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| CATALOG #<br><b>AAA190317</b> | REACTIVITY<br><b>Canine</b> |
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### PRODUCT SYNONYMS

Angiotensin-converting enzyme 2 (ACE2); Canine Angiotensin-converting enzyme 2 (ACE2) ELISA Kit; ACEH; DKFZp434A014; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; angiotensin converting enzyme-like protein; ACE2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                                |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Canine ACE2. No significant cross-reactivity or interference between Canine ACE2 and analogues was observed.               |
| Sequence Length         | 805                                                                                                                                                                                                   |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                             |
| Detection Range         | 0.31 ng/mL - 20 ng/mL                                                                                                                                                                                 |
| Sensitivity             | 0.1 ng/mL (mean of 6 independent assays)                                                                                                                                                              |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

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| Related Product Information for ACE2 elisa kit | <p>Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ACE2 in Canine serum, plasma. An antibody specific for ACE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACE2 is added to the wells. After washing, Streptavidin 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 ACE2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Intended Uses: For the quantitative detection of Canine Angiotensin-converting enzyme 2 (ACE2) concentration in serum, plasma and other biological fluids.</p> |
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### NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">11225609</a>    |
| NCBI GeneID               | <a href="#">59272</a>       |
| NCBI Accession #          | <a href="#">NP_068576.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_021804.2</a> |

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| UniProt Accession #              | Q9BYF1; Q6UWP0; Q86WT0; Q9NRA7; Q9UFZ6; C7ECU1 |
| Molecular Weight                 | 63,912 Da                                      |
| NCBI Official Full Name          | angiotensin-converting enzyme 2                |
| NCBI Official Synonym Full Names | angiotensin I converting enzyme 2              |
| NCBI Official Symbol             | ACE2                                           |
| NCBI Official Synonym Symbols    | ACEH                                           |
| NCBI Protein Information         | angiotensin-converting enzyme 2                |
| UniProt Protein Name             | Angiotensin-converting enzyme 2                |
| UniProt Gene Name                | <b>ACE2</b>                                    |
| UniProt Synonym Gene Names       | ACEH                                           |

**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://www.aaabiotech.com/canine-elisa-kits/angiotensin-converting-enzyme-2-ace2/190317>