

## Human ACE2 (Angiotensin I Converting Enzyme 2) CLIA Kit | ACE2 clia kit

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CATALOG #  
**AAA170943**

REACTIVITY  
**Human**

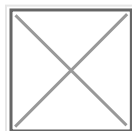
### PRODUCT SYNONYMS

ACE2 (Angiotensin I Converting Enzyme 2); Human ACE2 (Angiotensin I Converting Enzyme 2) CLIA Kit; ACEH; ACEII; ACE2 clia kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                     |
| Specificity           | This kit recognizes Human ACE2 in samples. No significant cross-reactivity or interference between Human ACE2 and analogues was observed.                                 |
| Sequence Length       | 805                                                                                                                                                                       |
| Samples               | Serum, plasma and other biological fluids                                                                                                                                 |
| Assay Type            | Quantitative Sandwich                                                                                                                                                     |
| Detection Range       | 78.13-5000pg/mL                                                                                                                                                           |
| Sensitivity           | 46.88pg/mL                                                                                                                                                                |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human ACE2 were tested 20 times on one plate, respectively.               |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human ACE2 were tested on 3 different plates, 20 replicates in each plate. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ACE2 clia kit

**Intended Uses:** This CLIA kit applies to the in vitro quantitative determination of Human ACE2 concentrations in serum, plasma and other biological fluids.

**Principle of the Assay:** This CLIA kit uses the Sandwich- CLIA principle. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to Human ACE2. Standards or samples are added to the micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human ACE2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human ACE2, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of Human ACE2. You can calculate the concentration of Human ACE2 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                   |
|----------------------------------|-----------------------------------|
| NCBI GI #                        | 254546346                         |
| NCBI GeneID                      | 59272                             |
| Molecular Weight                 | 63,912 Da                         |
| NCBI Official Full Name          | angiotensin I 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                | ACE2                              |
| UniProt Synonym Gene Names       | ACEH                              |
| UniProt Entry Name               | ACE2_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/human-clia-kits/ace2-angiotensin-i-converting-enzyme-2/170943>