

Rat ACE2 Antibody Pair Set

Catalog No. E-KAB-0633

Applications

ELISA

Synonyms ACEH;ACEII

Kit components & Storage

| Title | Specifications | Storage |
|--------------------------------------|----------------|--|
| Rat ACE2 Capture Antibody | 1 vial, 100 µg | Store at -20℃ for one year. Avoid freeze/thaw cycles. |
| Rat ACE2 Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20℃ for one year. Avoid freeze/thaw cycles. |

Note: Centrifuge before opening to ensure complete recovery of vial contents.

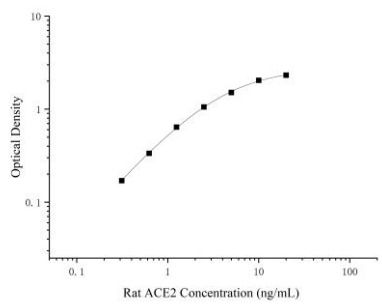
Product Information

| Items | | Characteristic (E-KAB-0633) | |
|-----------------------|---------------|--|---|
| | | Rat ACE2 Capture Antibody | Rat ACE2 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Rat ACE2 protien | Recombinant Rat ACE2 protien |
| | Swissprot | Q5EGZ1 | |
| Product details | Reactivity | Rat | Rat |
| | Host | Rabbit | Rabbit |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5 mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5 | PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5 |
| | Purify | Antigen Affinity | Antigen Affinity |
| | Specificity | Detects Rat ACE2 in ELISAs. | |

For Research Use Only

Applications

Rat ACE2 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images |
|-----------------|------------------------------------|--------------------------------------|--|
| ELISA Capture | 0.5-4 µg/mL | Rat ACE2 Capture Antibody |  |
| ELISA Detection | 1:1000-1:10000 | Rat ACE2 Detection Antibody (Biotin) | |

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydiptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9 , and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function , as well as fertility. In addition , the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63.