

Human ACE2 Overexpression 293T Stable Cell Line

Catalog No.: RM02456

Basic Information

Catalog No.

RM02456

Category

Cell Lysate

Parental Cell line

Genotype

Background

The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxypeptidases 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. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol

ACE2

Species

Human

Gene ID

59272

Product Information

Packaging

Shipping Conditions

Amount


Storage

Protocol

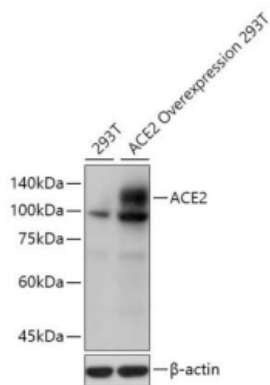
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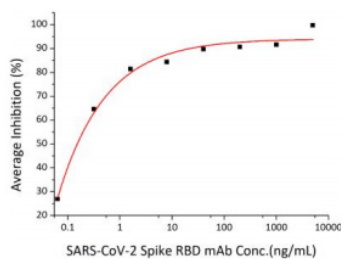
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WB data



Western blot analysis of extracts from 293T and Human ACE2 Overexpression 293T Stable cells, using ACE2 antibody (P14857) at 1:1000 dilution.

Sequencing data



The virus microneutralization test was performed on Human ACE2 Overexpression 293T Stable cells infected with SARS-CoV-2 Spike Pseudovirus under treatment of serial dilutions of neutralizing antibody. The IC50 is typically 0.171ng/mL.