Supplementary Material

Figure S1. The measurement of hACE2 expression on 293T-ACE2hR cells or control 293T cells by flow cytometry. The single-cell suspensions were treated with rabbit anti-ACE2 (ab272500, at 1:250 dilution) for 30 min and labeled using fluorescence-conjugated anti-rabbit IgG (1:500) for another 30 min. Washes were applied between each step as routine. The cells were run on a flow cytometer, and the collected data were analyzed as stated in Materials and Methods. It could be told that hACE2 was abundantly expressed in most cultured 293T-ACE2hR cells.
Figure S2. Part of the S-RBD-ACE2 interface shows the saddle shape of receptor binding motif and their counterpart residues on ACE2. The "cantle" and "pommel" sections were centered around T₅₀₀N₅₀₁G₅₀₂ and F₄₈₆N₄₈₇, respectively, and the sequence between them formed the "seat". SBP1 sequence of ACE2 was shown in goldenrod color, while SBP2 was the middle half of SBP1.