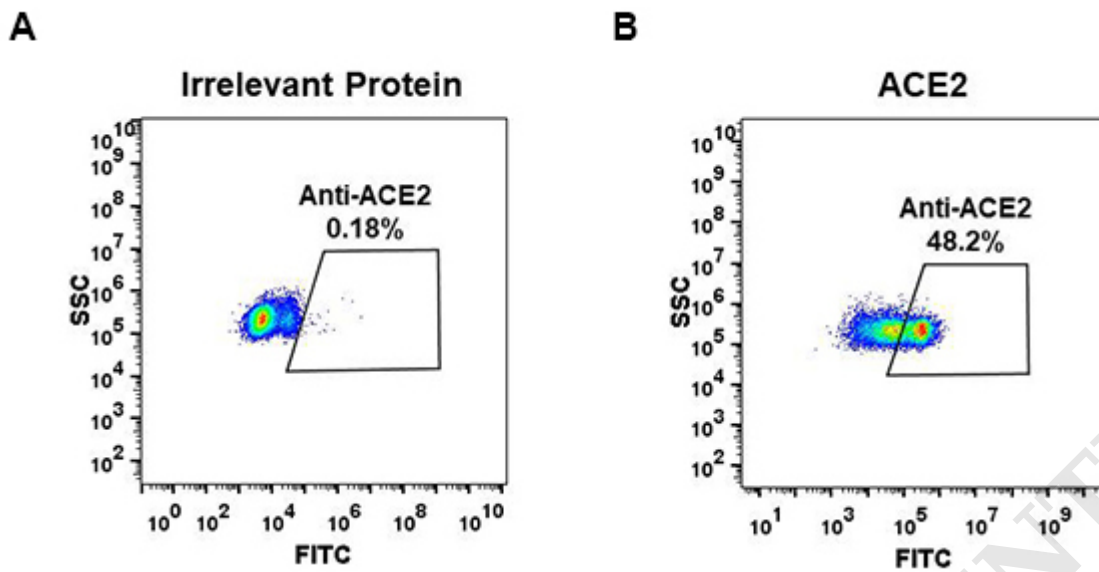


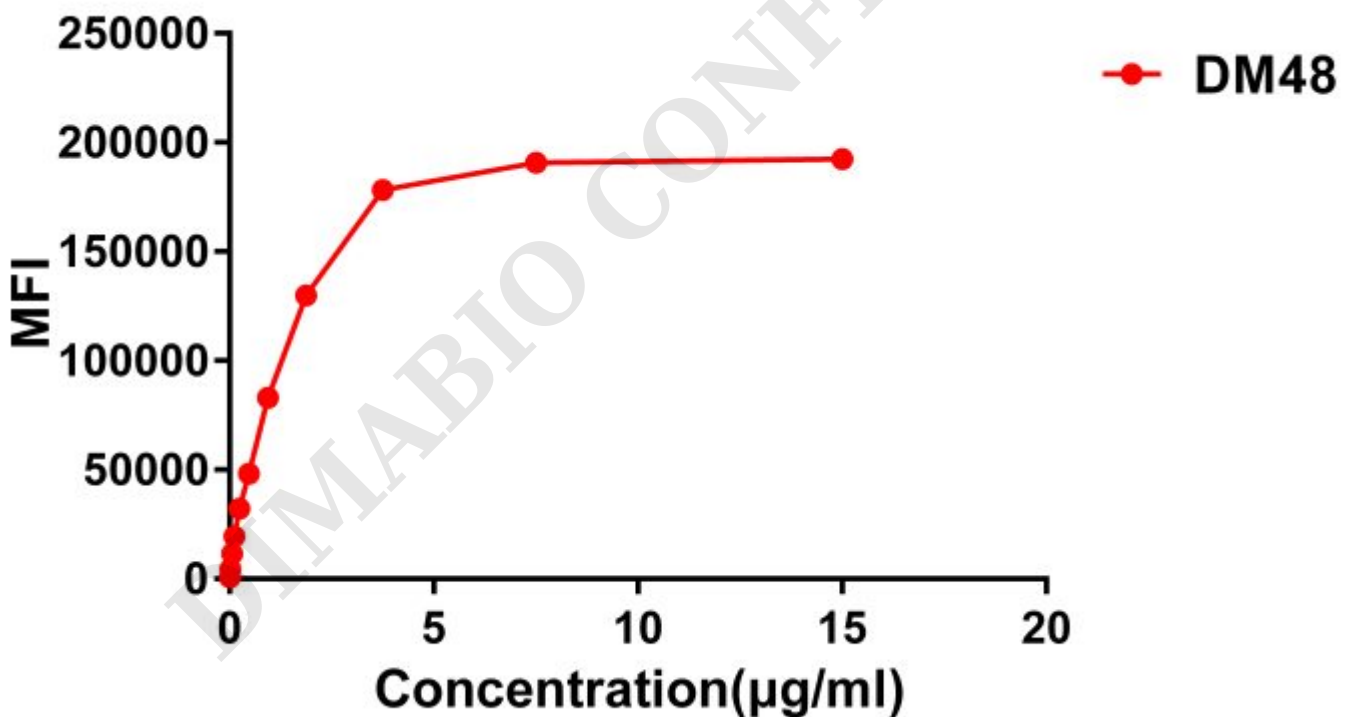
**PRODUCT INFORMATION**

|   |   |
|---|---|
| <b>Clone ID</b>                         | DM48  |
| <b>Target</b>                           | ACE2  |
| <b>Synonyms</b>                         | ACE-2; ACEH; ACE2   |
| <b>Host Species</b>                     | Rabbit  |
| <b>Description</b>                      | Anti-ACE2 antibody(DM48); Rabbit mAb  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | Q9BYF1  |
| <b>IgG type</b>                         | Rabbit IgG  |
| <b>Clonality</b>                        | Monoclonal  |
| <b>Reactivity</b>                       | Human   |
| <b>Applications</b>                     | ELISA; Flow Cyt   |
| <b>Recommended Dilutions</b>            | ELISA 1:5000-10000; Flow Cyt 1:100  |
| <b>Purification</b>                     | Purified from cell culture supernatant by affinity chromatography   |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.<br>Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Storage &amp; Shipping</b>           |   |
| <b>Background</b>                       | The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases 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. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



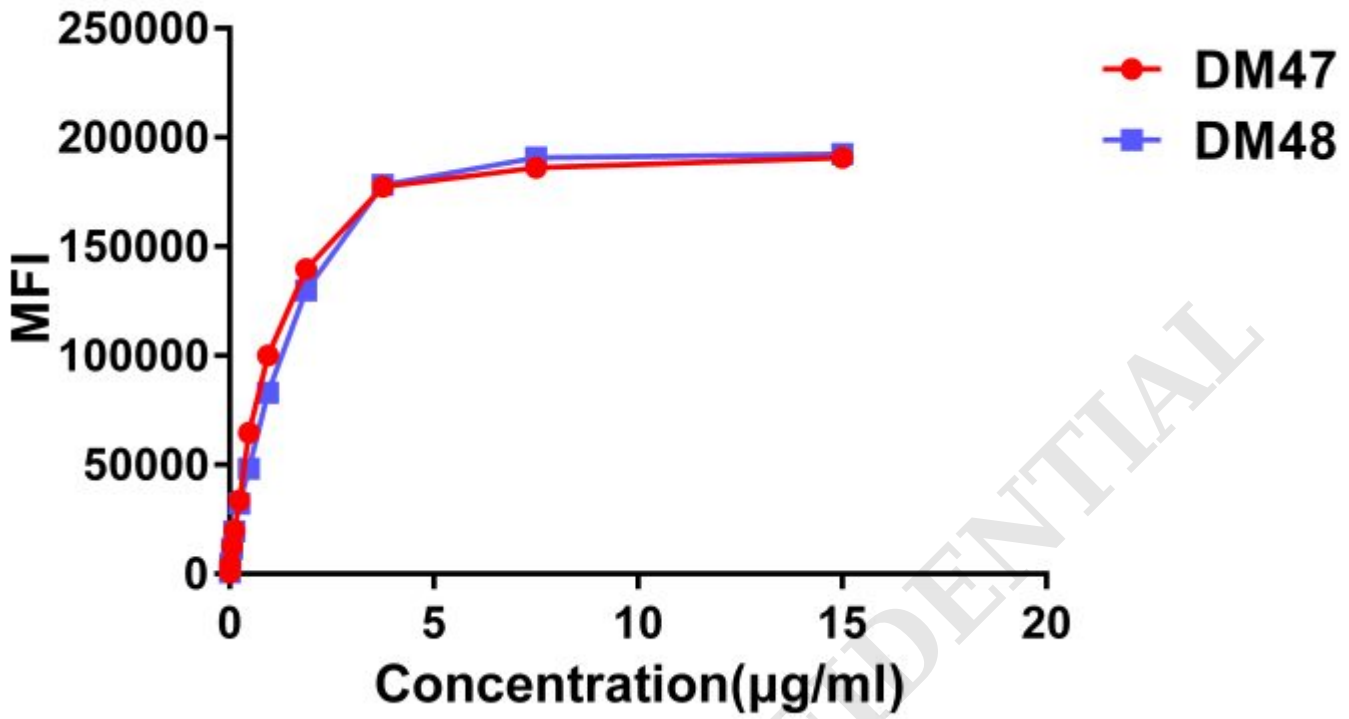


**Figure 1.** Expi 293 cell line transfected with irrelevant protein (**left**) and human ACE2 (**right**) were surface stained with Rabbit anti-ACE2 monoclonal antibody 1 $\mu$ g/ml (**clone: DM48**) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.



**Figure 2.** Flow cytometry data of serially titrated Rabbit anti-ACE2 monoclonal antibody (**clone: DM48**) on Expi 293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.





**Figure 3.** Affinity ranking of different Rabbit anti-ACE2 mAb clones by titration of different concentration onto Expi 293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

