## PRODUCT INFORMATION

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|---|---|
| **Clone ID** | **Warning**: Undefined variable $hasAttributeValueDescription in **C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php** on line **2806**<br>DM48 |
| **Target** | ACE2 |
| **Synonyms** | ACE-2; ACEH; ACE2 |
| **Host Species** | Rabbit |
| **Description** | Anti-ACE2 antibody(DM48); Rabbit mAb |
| **Delivery** | In Stock |
| **Uniprot ID** | Q9BYF1 |
| **IgG type** | Rabbit IgG |
| **Clonality** | Monoclonal |
| **Reactivity** | Human |
| **Applications** | ELISA; Flow Cyt |
| **Recommended Dilutions** | ELISA 1:5000-10000; Flow Cyt 1:100 |
| **Purification** | Purified from cell culture supernatant by affinity chromatography |
| **Formulation & Reconstitution** | 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. |
| **Yefei_Storage** | 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. |
| **Background** | 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. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |
| **DIMA Disclaimer** | All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement. |



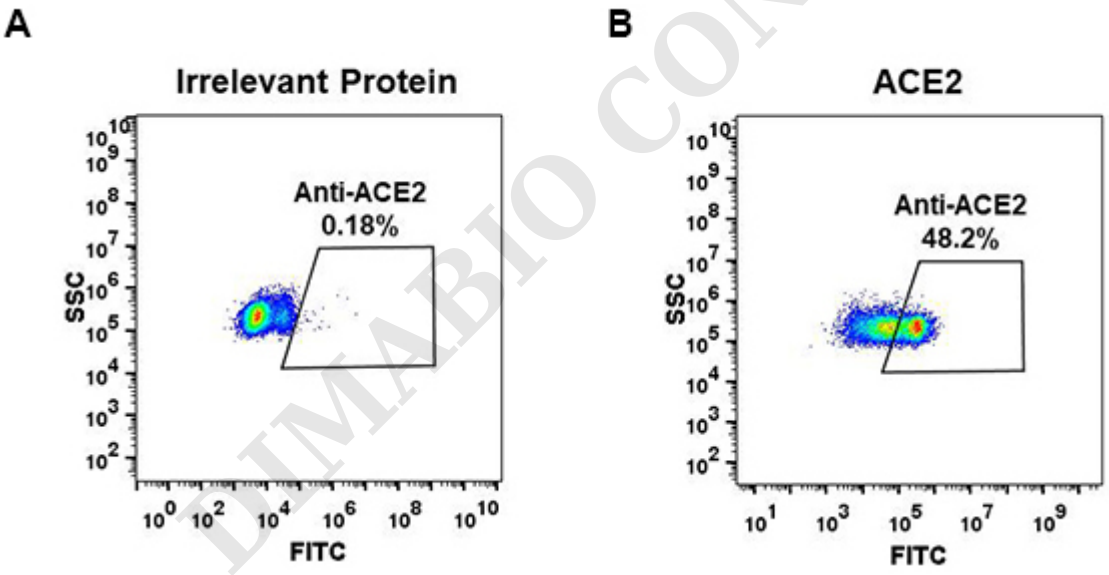


**Figure 1.** HEK293 cell line transfected with irrelevant protein **(left)** and human ACE2 **(right)** were surface stained with Rabbit anti-ACE2 monoclonal antibody 1µg/ml (**clone: DM48**) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

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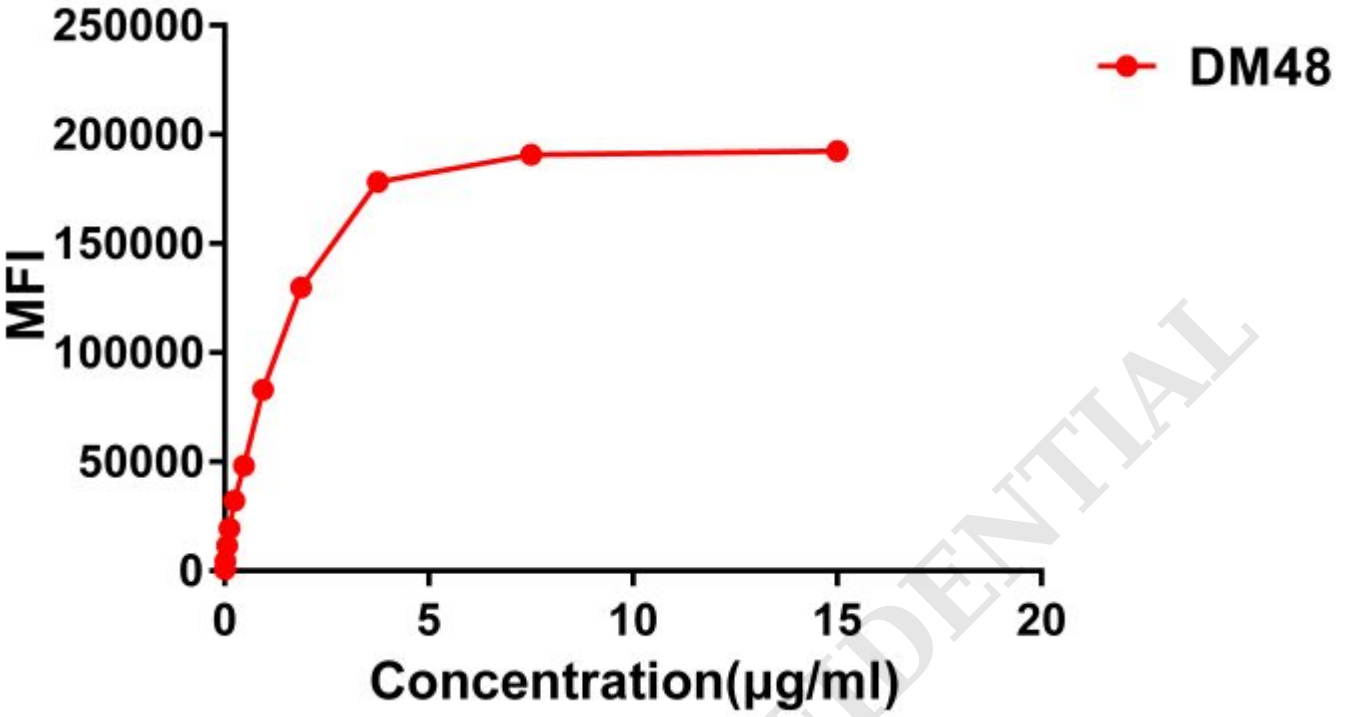


**Figure 2.** Flow cytometry data of serially titrated Rabbit anti-ACE2 monoclonal antibody (**clone: DM48**) on HEK293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



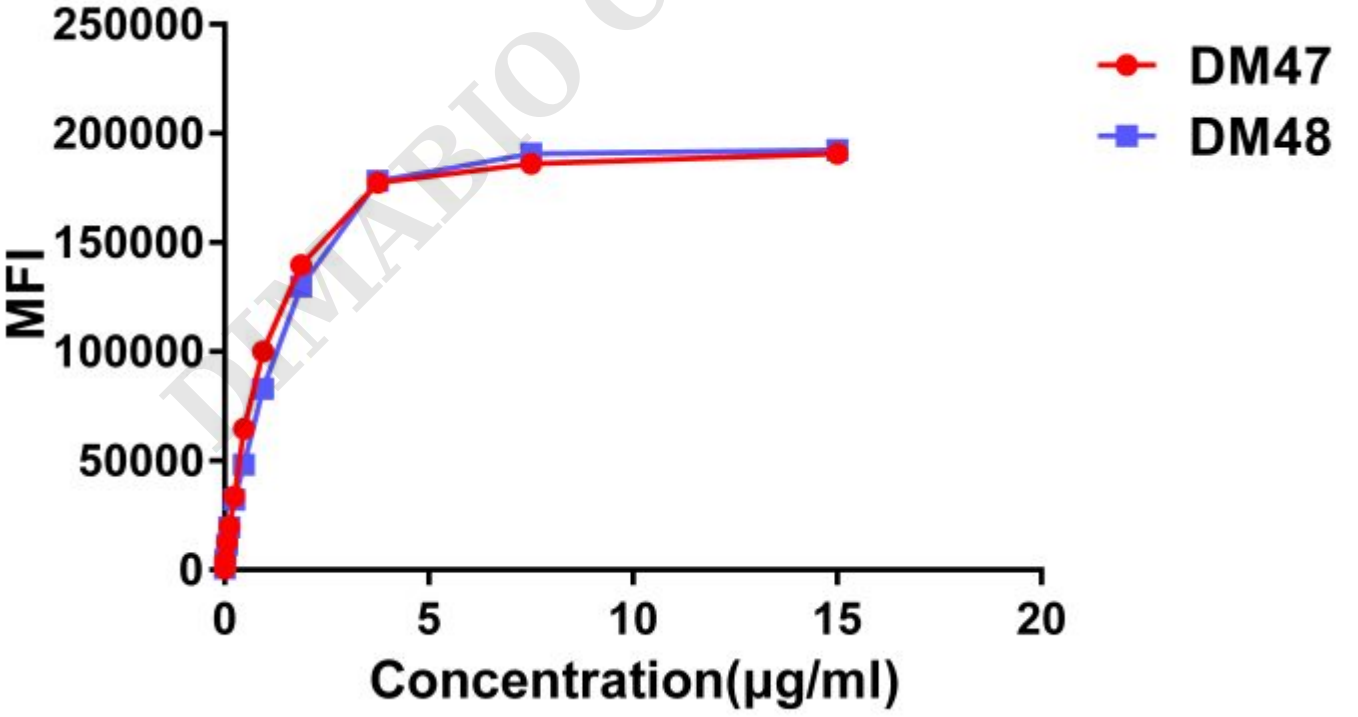


**Figure 3.** Affinity ranking of different Rabbit anti-ACE2 mAb clones by titration of different concentration onto HEK293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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