Cat. No. DME100047



PRODUCT INFORMATION

Clone ID **DM48** ACE2 **Target**

ACE-2; ACEH; ACE2 **Synonyms**

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

Storage & Shipping

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions**

Purified from cell culture supernatant by affinity **Purification**

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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.

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

Background

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







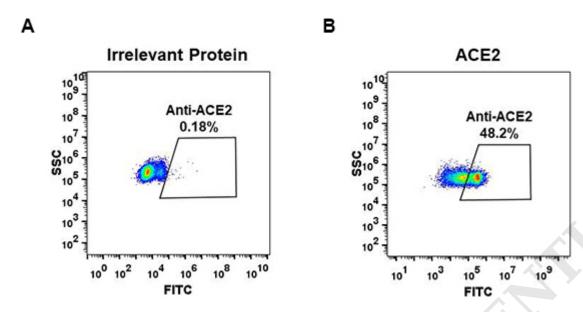


Figure 1. Expi 293 cell line transfected with irrelevant protein (**left)** and human ACE2 (**right)** were surface stained with Rabbit anti-ACE2 monoclonal antibody 1μ g/ml (**clone: DM48**) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

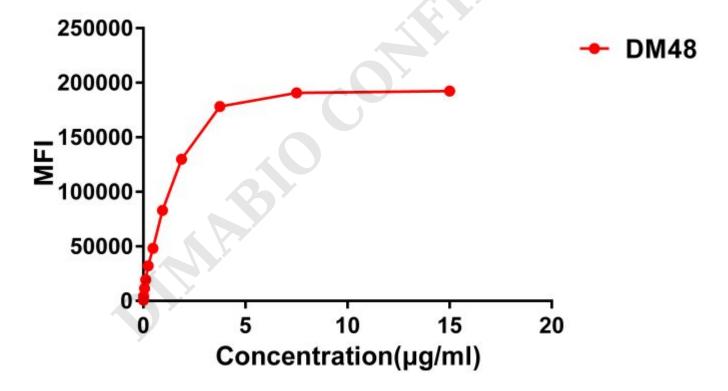
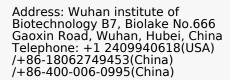


Figure 2. Flow cytometry data of serially titrated Rabbit anti-ACE2 monoclonal antibody (**clone: DM48**) on Expi 293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.









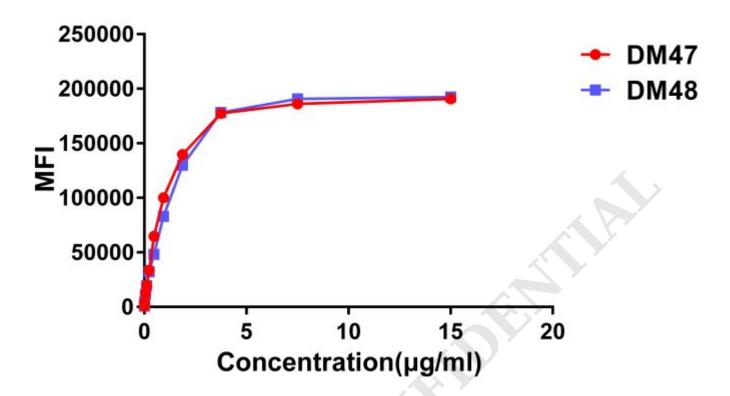


Figure 3. Affinity ranking of different Rabbit anti-ACE2 mAb clones by titration of different concentration onto Expi 293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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