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12-9038: Anti-ACE2 antibody(DM48), Rabbit mAb

Clonality :	Monoclonal
Clone Name :	DM48
Application :	ELISA,FACS
Reactivity :	Human
Alternative Name :	ACE-2, ACEH, ACE2
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant humanÂ ACE2 (Gln18-Ser740) produced by using human HEK293 cells

Description

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.

Product Info

Amount :	100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA Not Sterile
Storage condition :	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

Application Note

Recommended Dilutions ELISA 1/5000-10000;FACS 1/100

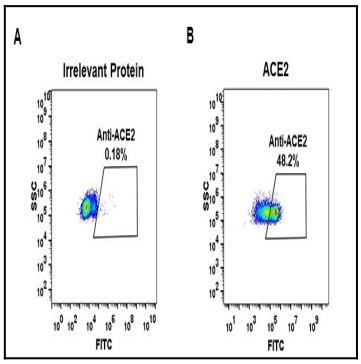

Figure 1. Expi 293 cell line transfected with irrelevant protein (left) and human ACE2 (right) were surface stained with Rabbit anti-ACE2 monoclonal antibody 1µg/ml (clone: DM48) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

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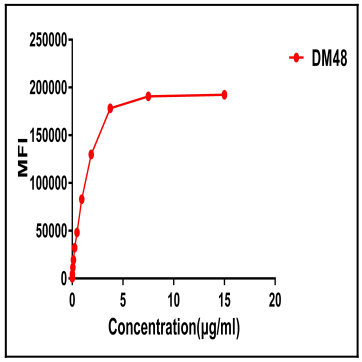

Figure 2. FACS data of serially titrated Rabbit anti-ACE2 monoclonal antibody (clone: DM48) on Expi 293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

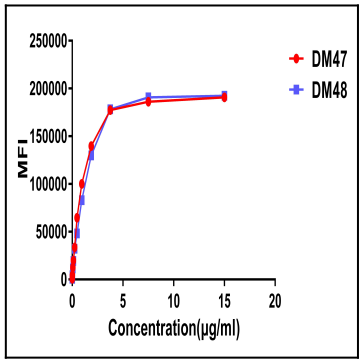

Figure 3. Affinity ranking of different Rabbit anti-ACE2 mAb clones by titration of different concentration onto Expi 293 cell line transfected with human ACE2. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.