

## 12-9053: Anti-4-1BB antibody(DM67), Rabbit mAb

**Clonality :** Monoclonal  
**Clone Name :** DM67  
**Application :** ELISA,FACS  
**Reactivity :** Human  
**Alternative Name :** TNFRSF9, 41BB, CD137, CDw137, ILA,

### Description

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB.

### Product Info

**Amount :** 100 µg  
**Purification :** Purified from cell culture supernatant by affinity chromatography  
**Content :** Not Sterile  
**Storage condition :** Store at -20°C for 12 months (Avoid repeated freezing and thawing)

### Application Note

ELISA 1/5000-10000;FACS 1/100

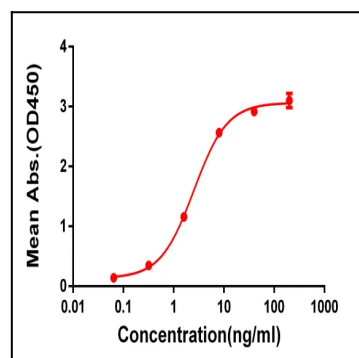


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human 4-1BB Protein, mFc-His Tag can bind Rabbit anti-4-1BB monoclonal antibody (clone: DM67) in a linear range of 1-100 ng/ml.

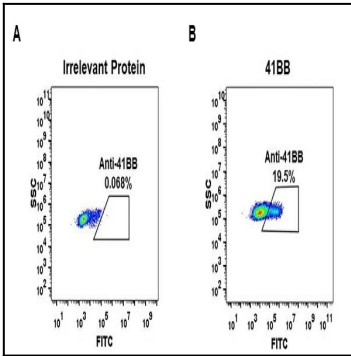


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human 4-1BB (B) were surface stained with Rabbit anti-4-1BB monoclonal antibody 1 $\mu$ g/ml (clone: DM67) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

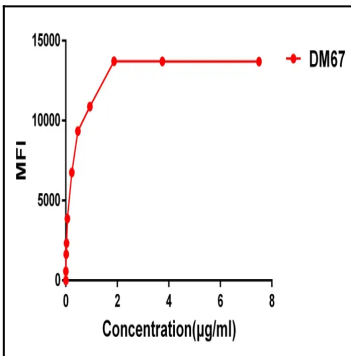


Figure 3. Flow cytometry data of serially titrated Rabbit anti-4-1BB monoclonal antibody (clone: DM67) on Expi 293 cell line transfected with human 4-1BB. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

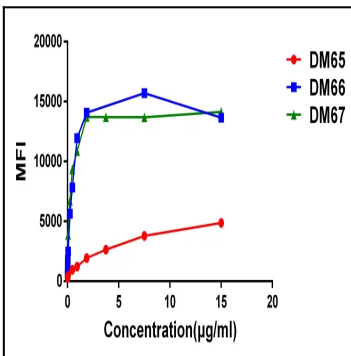


Figure 4. Affinity ranking of different Rabbit anti-4-1BB mAb clones by titration of different concentration onto Expi 293 cell line transfected with human 4-1BB. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.