

## 12-9252: Anti-GITR antibody(DM78), Rabbit mAb

**Clonality :** Monoclonal  
**Clone Name :** DM78  
**Application :** ELISA,FACS  
**Reactivity :** Human  
**Alternative Name :** AITR, TNFRSF18, CD357,

### Description

This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

### 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

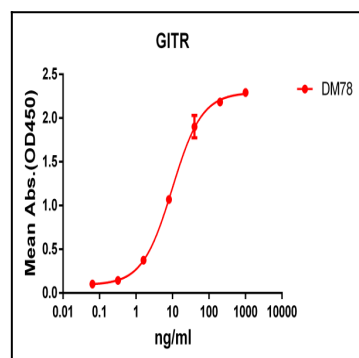


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human GITR protein, hFc-His tagged protein can bind Rabbit anti-GITR monoclonal antibody (clone: DM78) in a linear range of 1-100 ng/ml.

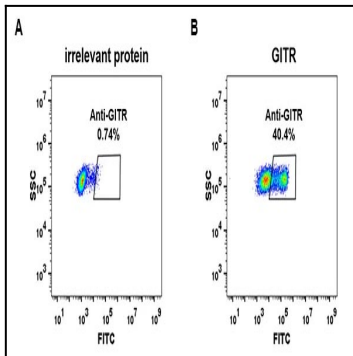


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human GITR (B) were surface stained with Rabbit anti-GITR monoclonal antibody 1 $\hat{1}$  $\frac{1}{4}$ g/ml (clone: DM78) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

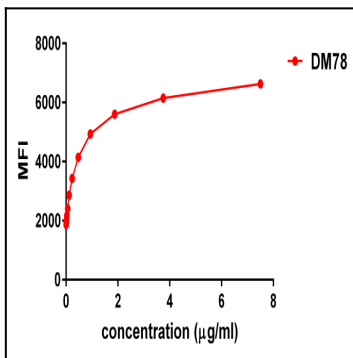


Figure 3. Flow cytometry data of serially titrated Rabbit anti-GITR monoclonal antibody (clone: DM78) on PC3 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

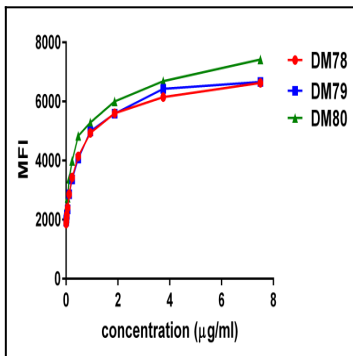


Figure 4. Affinity ranking of different Rabbit anti-GITR mAb clones by titration of different concentration onto PC3 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

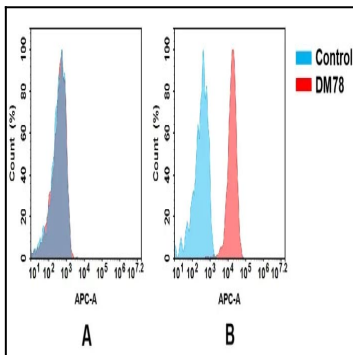


Figure 5. Flow cytometry analysis of antigen binding of rabbit anti-human GITR mAb. (A) Anti-human GITR mAb does not bind to 293T cells that do not express GITR. (B) A clear peak shift of anti-human GITR mAb was seen compared to the control when incubated with GITR-expressing 8226 cells, indicating strong binding of anti-human GITR mAb to GITR. Antibodies were incubated at 2  $\hat{1}$  $\frac{1}{4}$ g/mL.