

**PRODUCT INFORMATION**

<b>Clone ID</b>	DM79
<b>Target</b>	GITR
<b>Synonyms</b>	AITR; GITR; TNFRSF18; CD357
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-GITR antibody(DM79); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q9Y5U5
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



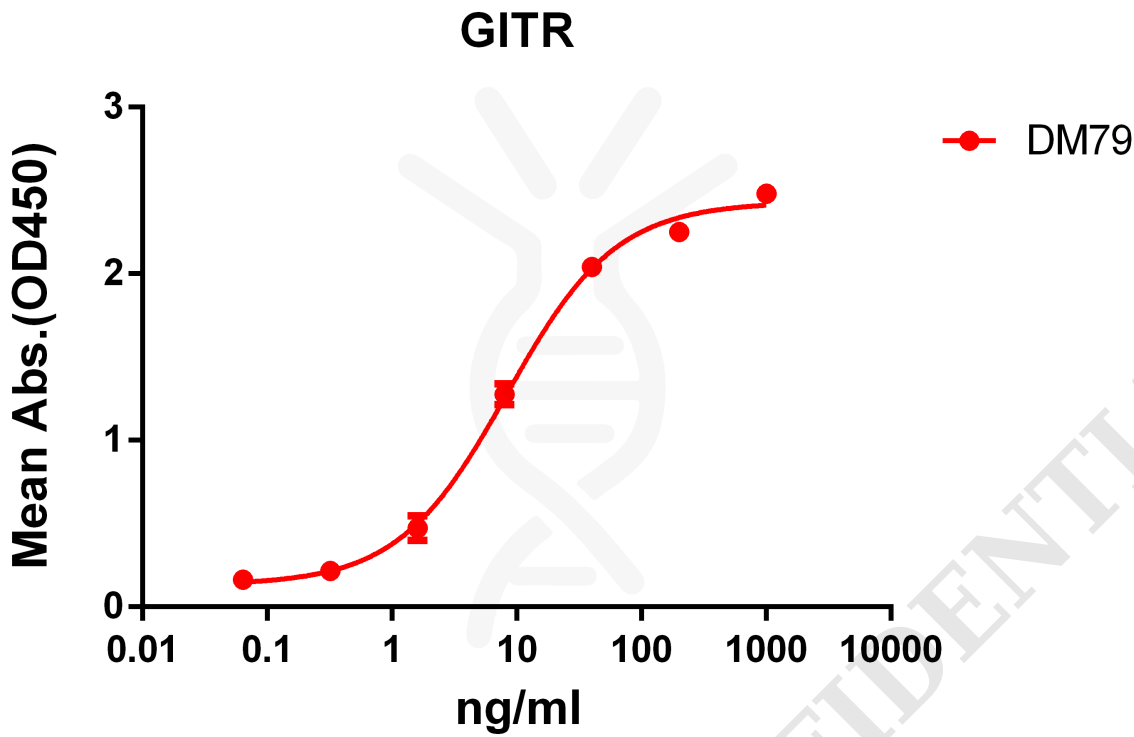


Figure 1. ELISA plate pre-coated by 2  $\mu\text{g/ml}$  (100  $\mu\text{l/well}$ ) Human GITR protein, hFc-His tagged protein PME100018 can bind Rabbit anti-GITR monoclonal antibody (clone: DM79) in a linear range of 1-100 ng/ml.

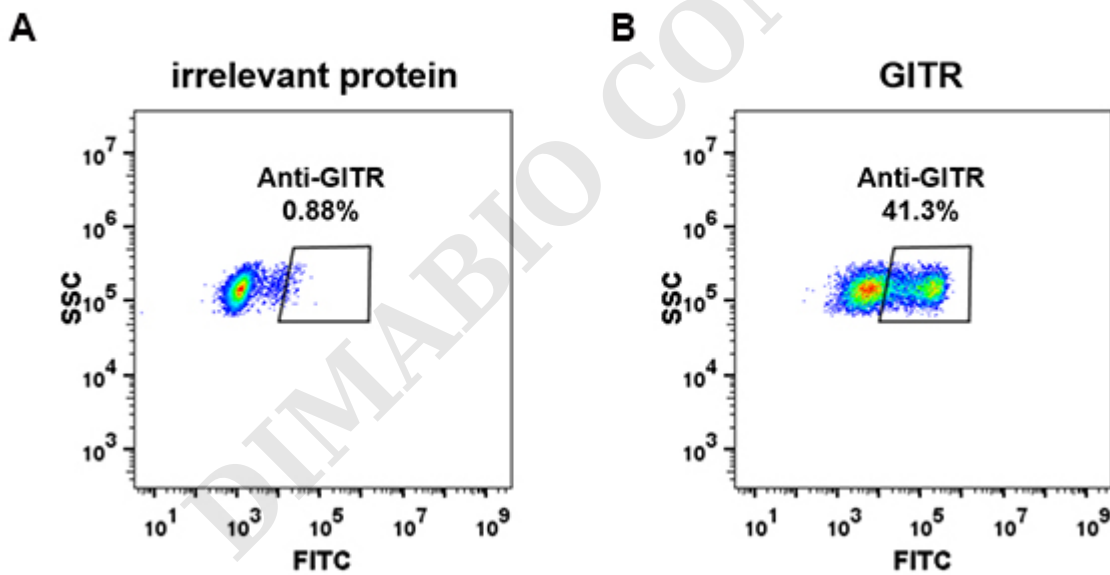


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human GITR (B) were surface stained with Rabbit anti-GITR monoclonal antibody 1 $\mu\text{g/ml}$  (clone: DM79) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.



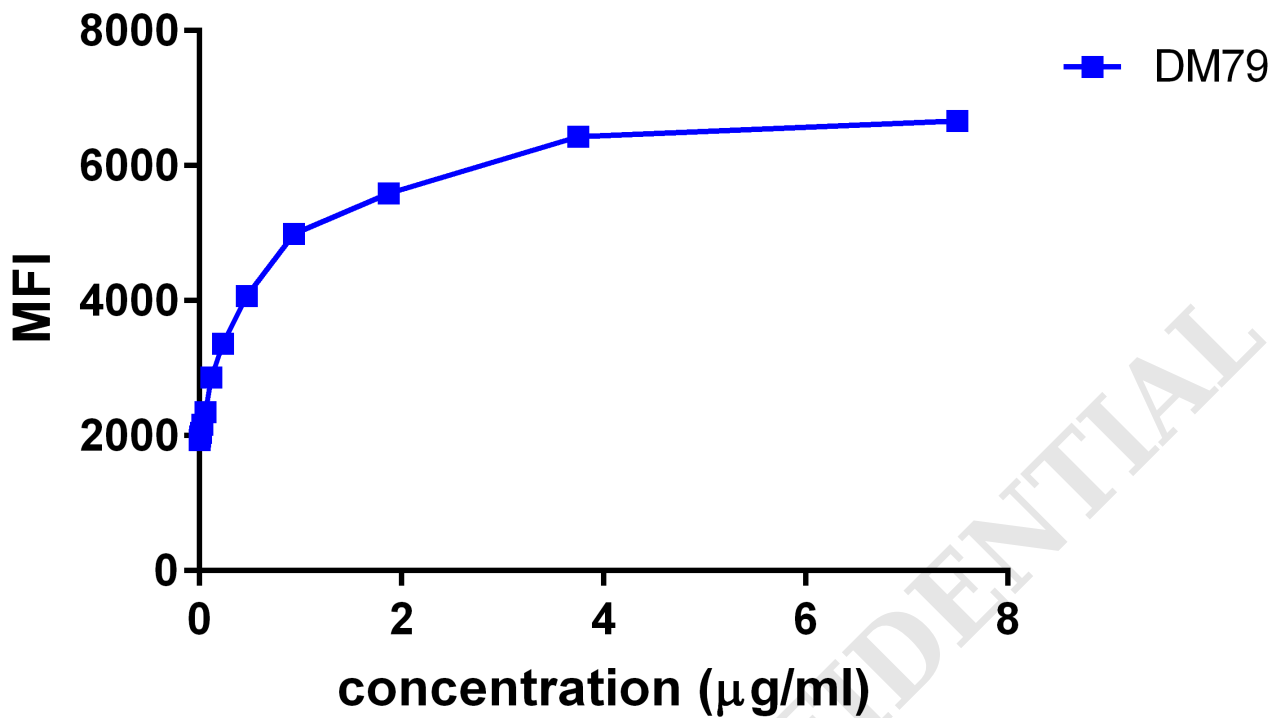


Figure 3. Flow cytometry data of serially titrated Rabbit anti-GITR monoclonal antibody (clone: DM79) on PC3 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

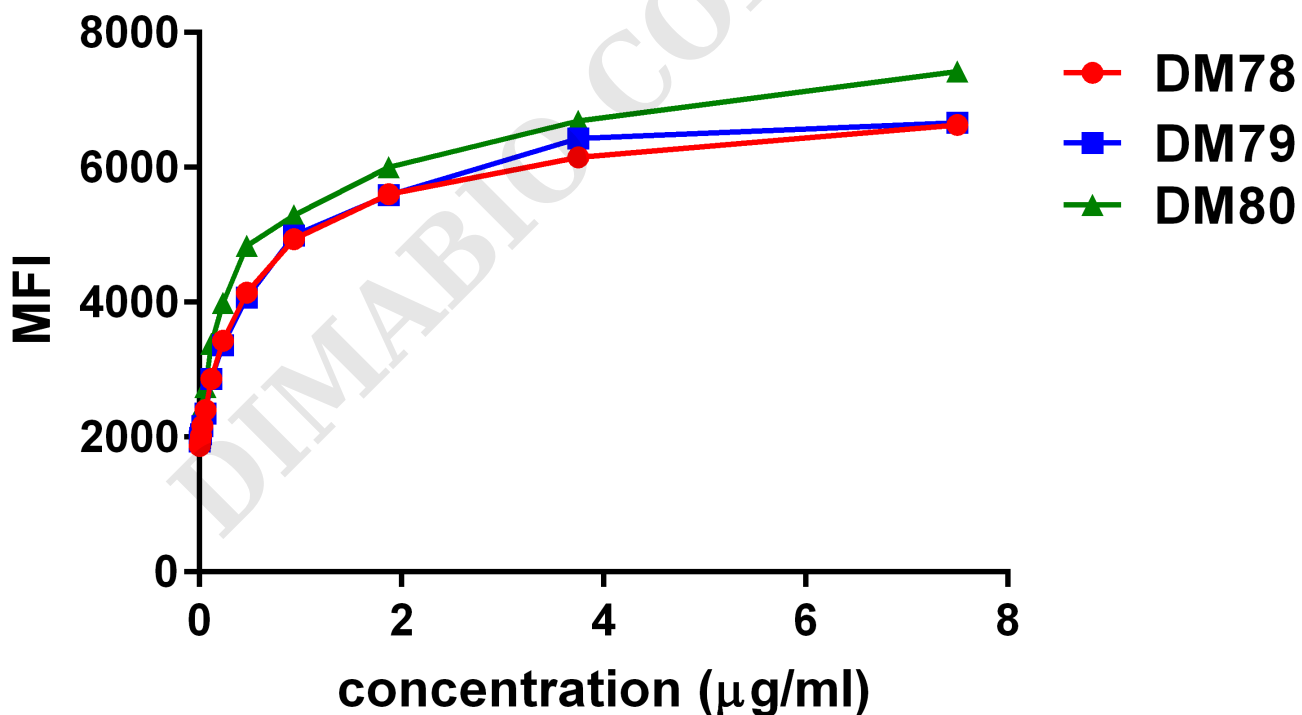


Figure 4. Affinity ranking of different Rabbit anti-GITR mAb clones by titration of different concentration onto PC3 cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



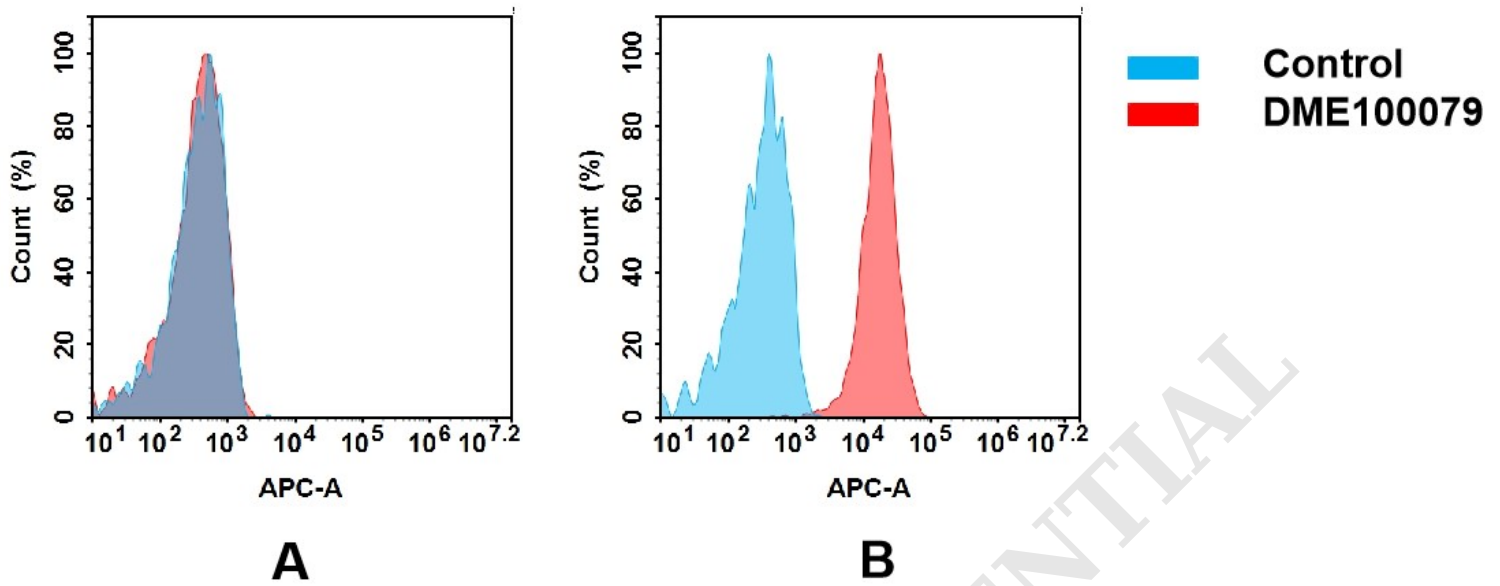


Figure 5. Flow cytometry analysis of antigen binding of rabbit anti-human GITR mAb(DME100079).

(A) DME100079 does not bind to 293T cells that do not express GITR.

(B) A clear peak shift of DME100079 was seen compared to the control when incubated with GITR-expressing 8226 cells, indicating strong binding of DME100079 to GITR. Antibodies were incubated at 2  $\mu$ g/mL.

DIMABIO CONFIDENTIAL

