

**PRODUCT INFORMATION**

<b>Clone ID</b>	DM103
<b>Target</b>	CD30
<b>Synonyms</b>	TNFRSF8;CD30;D1S166E;Ki-1
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-CD30 antibody(DM103); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P28908
<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>	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated; but not by resting; T and B cells. TRAF2 and TRAF5 can interact with this receptor; and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis; and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



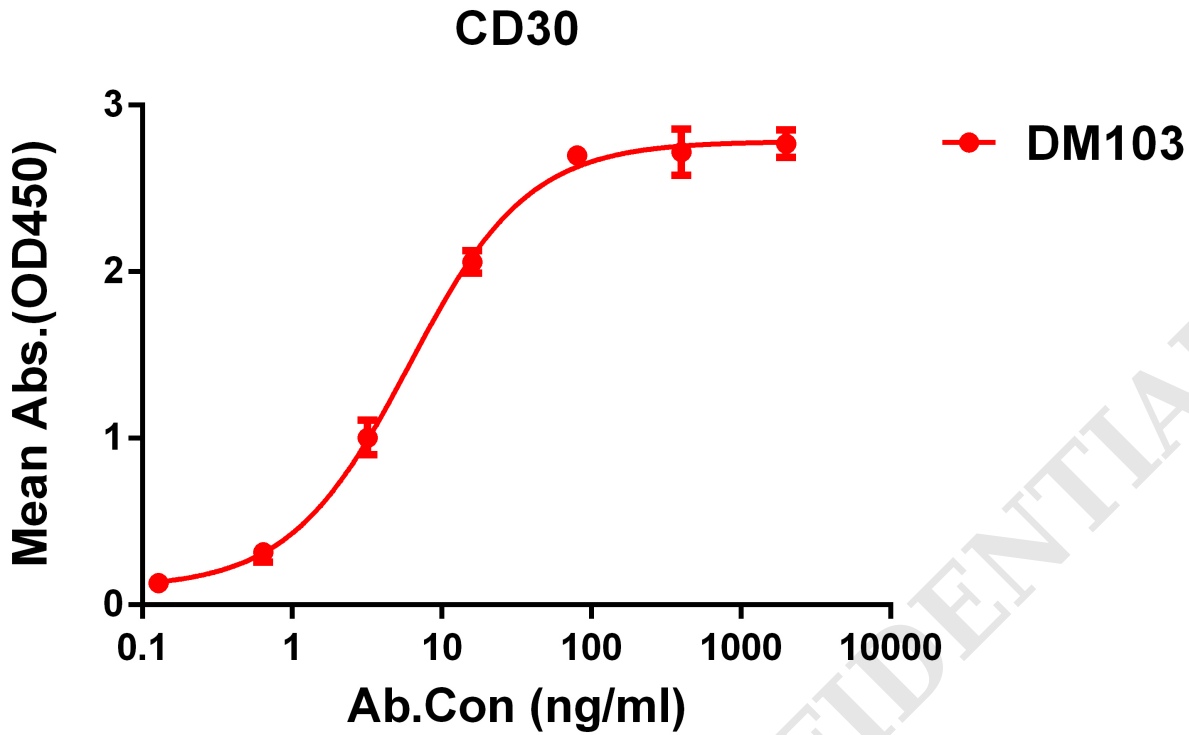


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD30 protein, His tagged protein PME100481 can bind Rabbit anti-CD30 monoclonal antibody (clone: DM103) in a linear range of 0.12-60 ng/ml.

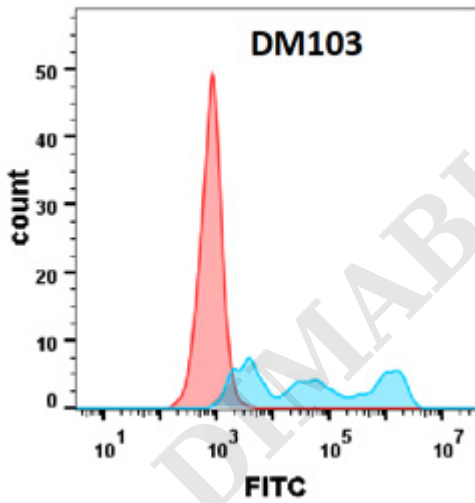


Figure 2. Flow cytometry analysis with Anti-CD30 (DM103) on Expi293 cells transfected with human CD30(Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



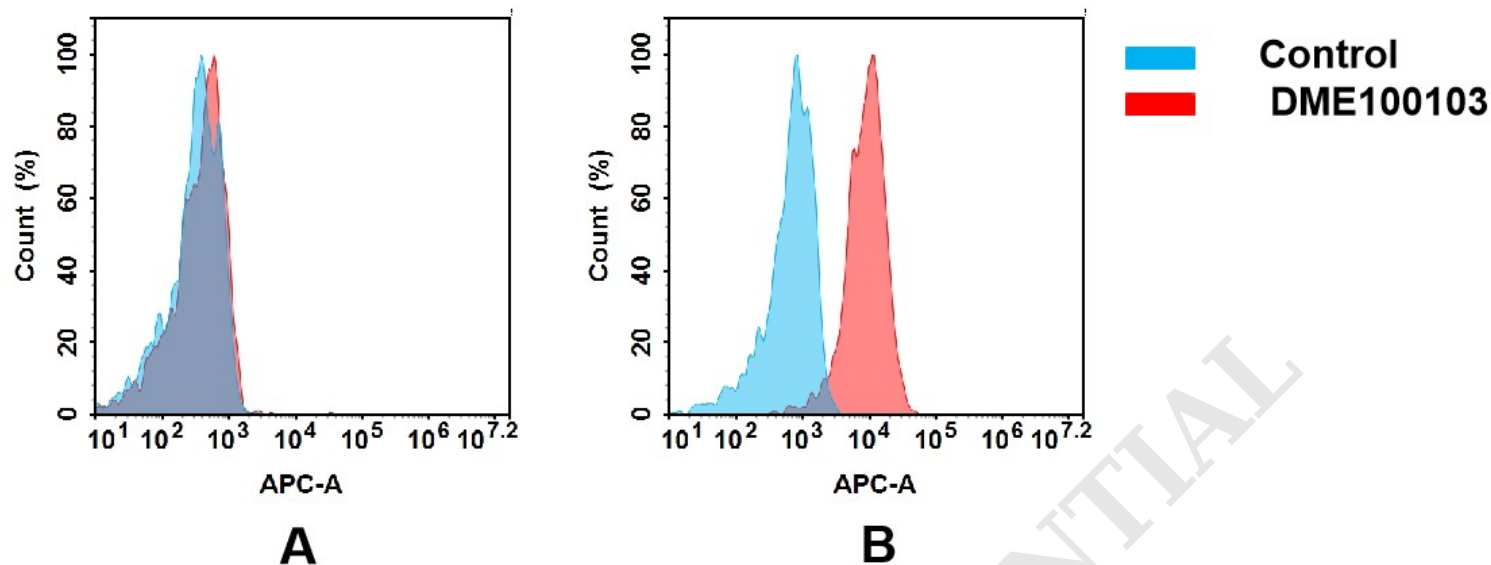


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CD30 mAb( DME100103).

(A) DME100103 does not bind to 293T cells that do not express CD30.

(B) A clear peak shift of DME100103 was seen compared to the control when incubated with CD30-expressing 8226 cells, indicating strong binding of DME100103 to CD30. Antibodies were incubated at 10 µg/mL.

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