

PRODUCT INFORMATION

Clone ID	DM118
Target	CD7
Synonyms	CD7;GP40;TP41;LEU-9;Tp40
Host Species	Rabbit
Description	Anti-CD7 antibody(DM118); Rabbit mAb
Delivery	In Stock
Uniprot ID	P09564
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt
Recommended Dilutions	ELISA 1:5000-10000; Flow Cyt 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	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.
Storage & Shipping	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.
Background	This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell:B-cell interaction during early lymphoid development.
Usage	Research use only



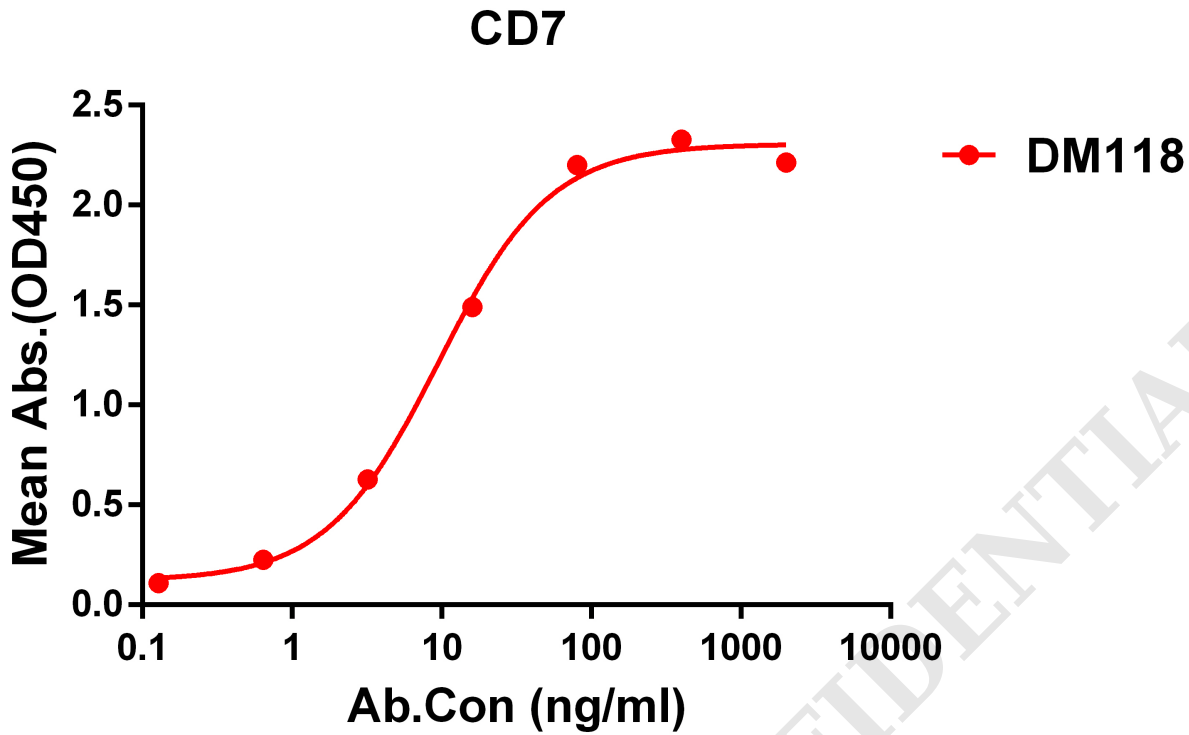


Figure 1. ELISA plate pre-coated by 1 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) Human CD7 protein, mFc-His tagged protein PME100464 can bind Rabbit anti-CD7 monoclonal antibody (clone: DM118) in a linear range of 0.2-60 ng/ml.

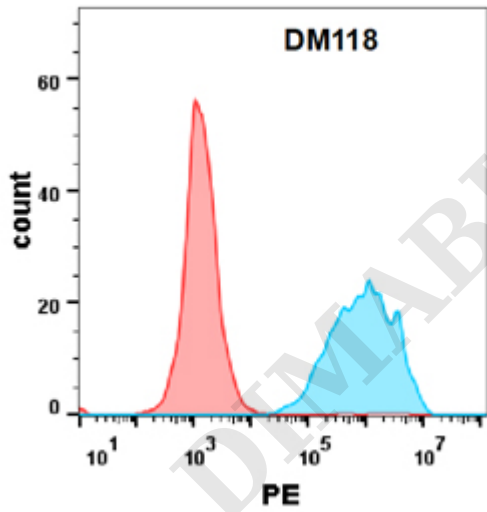


Figure 2. Flow cytometry analysis with Anti-CD7 (DM118) on Expi293 cells transfected with human CD7 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



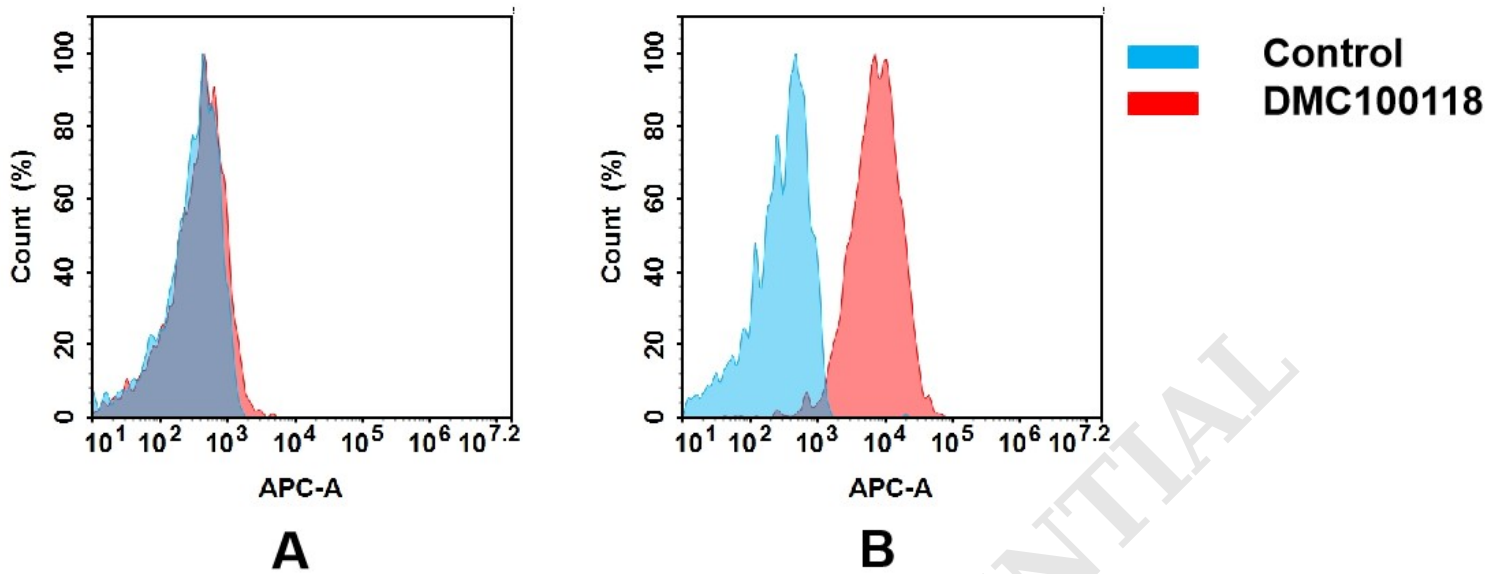


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CD7 mAb(DME100118).

(A) DME100118 does not bind to 293T cells that do not express CD7.

(B) A clear peak shift of DME100118 was seen compared to the control when incubated with CD7-expressing Jurkat cells, indicating strong binding of DME100118 to CD7. Antibodies were incubated at 10 µg/mL.

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