PRODUCT INFORMATION

Clone ID	DM119
Target	CD7
Synonyms	CD7;GP40;TP41;LEU-9;Tp40
Host Species	Rabbit
Description	Anti-CD7 antibody(DM119); 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
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.

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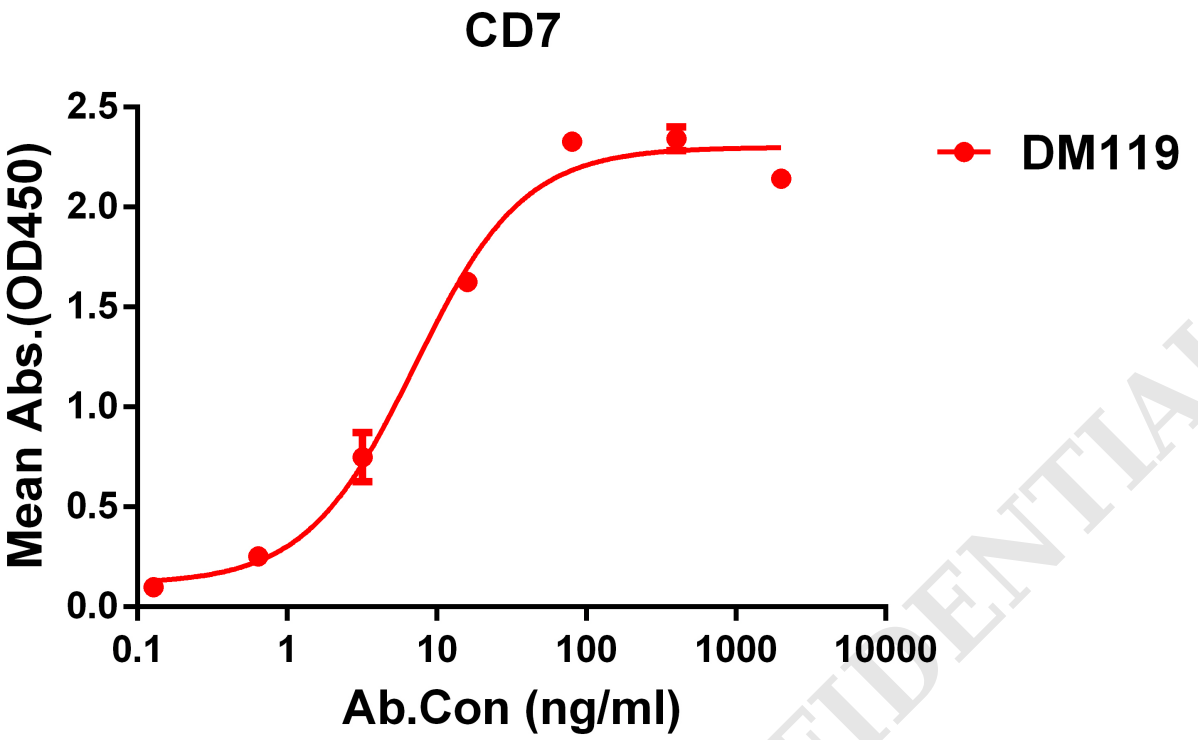

Figure 1. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human CD7 protein, mFc-His tagged protein PME100464 can bind Rabbit anti-CD7 monoclonal antibody (clone: DM119) in a linear range of 0.2-60 ng/ml.

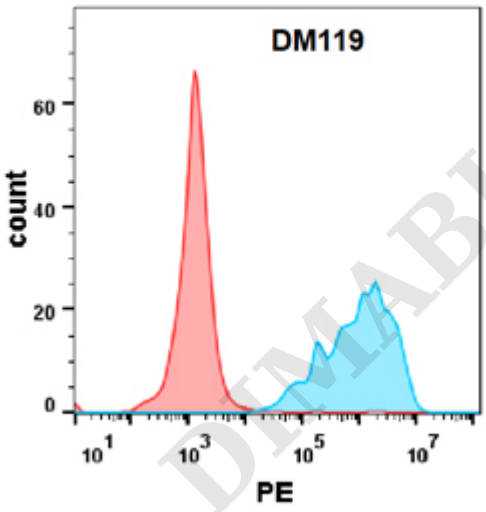

Figure 2. Flow cytometry analysis with Anti-CD7 (DM119) on HEK293 cells transfected with human CD7 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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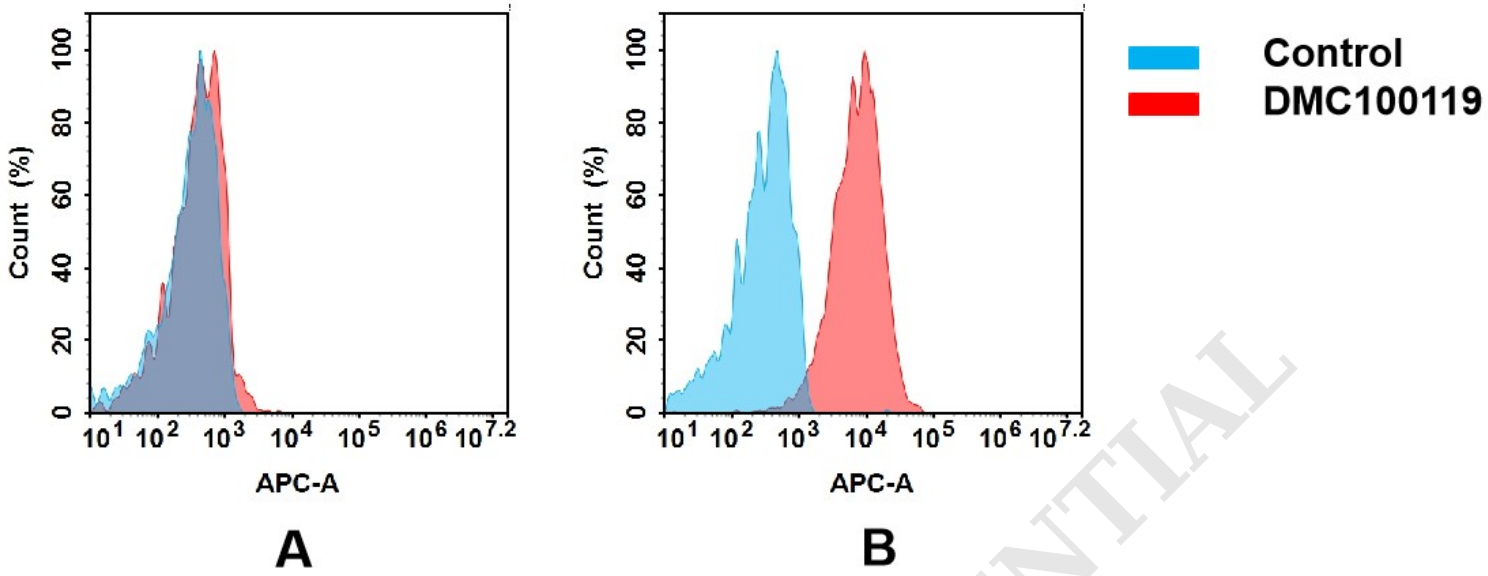

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CD7 mAb(DME100119).

(A) DME100119 does not bind to 293T cells that do not express CD7.
(B) A clear peak shift of DME100119 was seen compared to the control when incubated with CD7-expressing Jurkat cells, indicating strong binding of DME100119 to CD7. Antibodies were incubated at 10 μg/mL.

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