PRODUCT INFORMATION

Clone ID	DM111
Target	B7-1
Synonyms	CD80;B7;B7-1;B7.1;BB1;CD28LG;CD28LG1;LAB7
Host Species	Rabbit
Description	Anti-B7-1 antibody(DM111); Rabbit mAb
Delivery	In Stock
Uniprot ID	P33681
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	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.
Usage	Research use only

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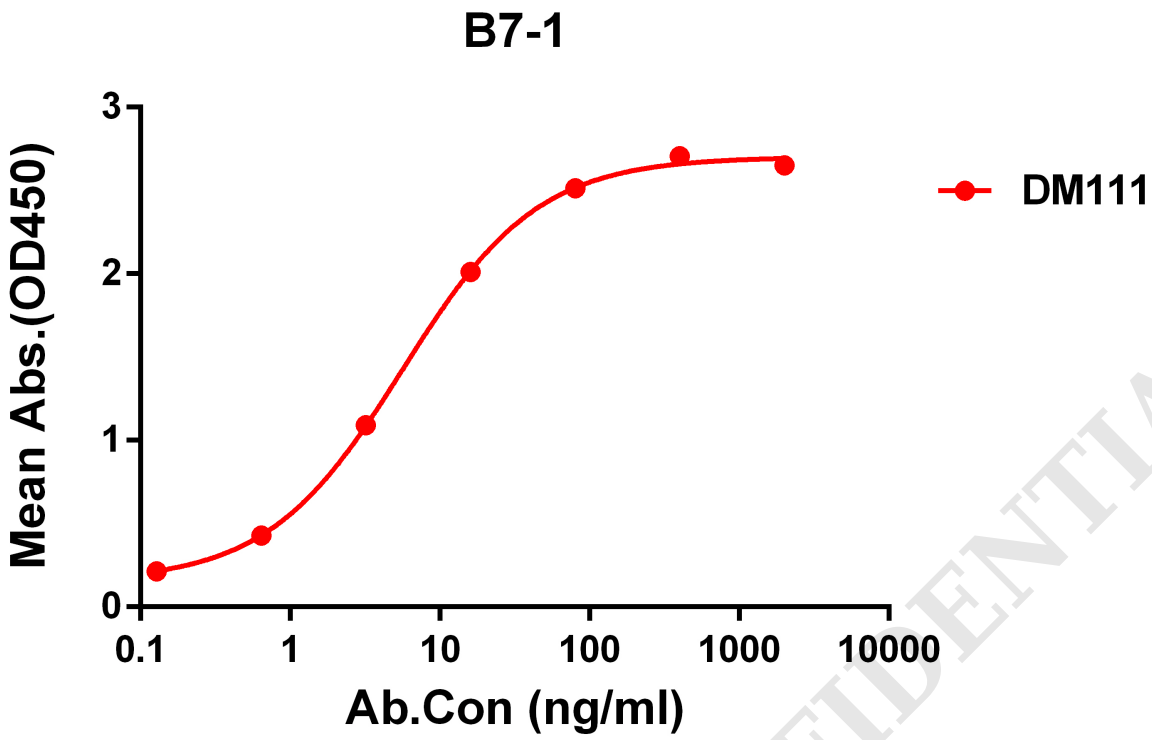

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human B7-1 protein, hFc tagged protein PME100473 can bind Rabbit anti-B7-1 monoclonal antibody (clone: DM111) in a linear range of 0.2-80 ng/ml.

Figure 2. Flow cytometry analysis with Anti-B7-1 (DM111) on Expi293 cells transfected with human B7-1(Blue histogram) or Expi293 transfected with irrelevant protein(Red histogram).

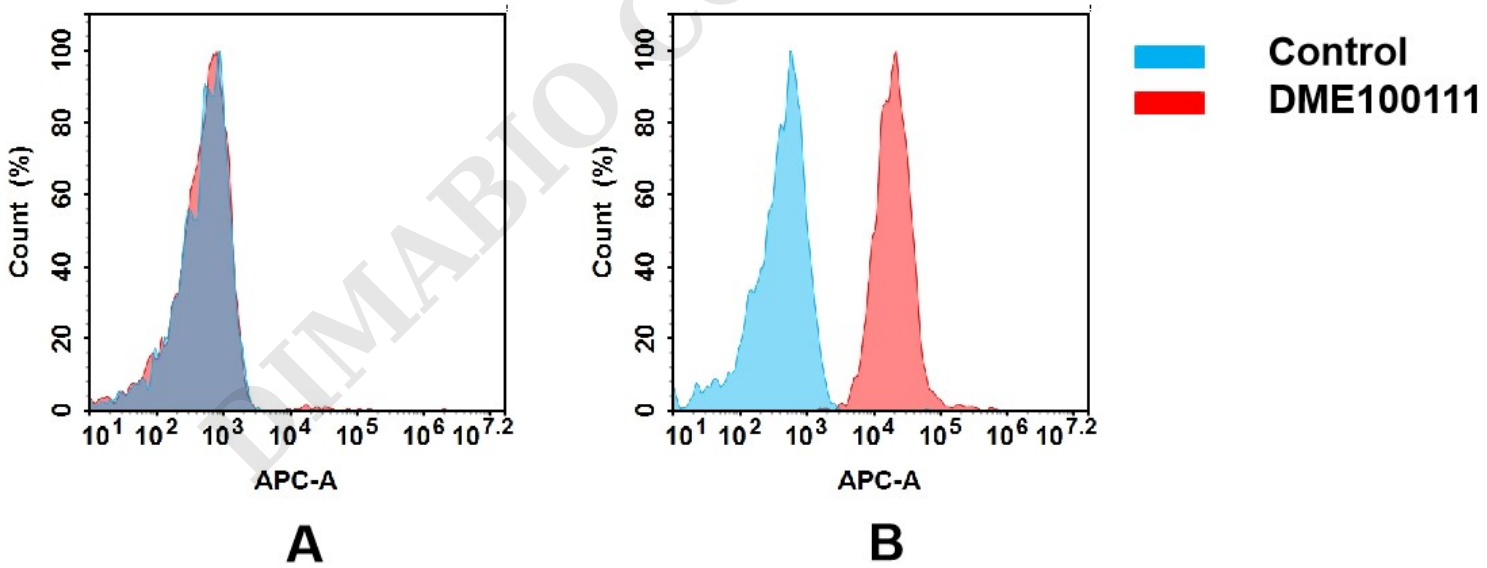

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-1 mAb(DME100111).
(A) DME100111 does not bind to CHO-S cells that do not express B7-1.
(B) A clear peak shift of DME100111 was seen compared to the control when incubated with B7-1-expressing Raji cells, indicating strong binding of DME100111 to B7-1. Antibodies were incubated at 5 μg/mL.

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