PRODUCT INFORMATION

Clone ID	DM109
Target	B7-1
Synonyms	CD80;B7;B7-1;B7.1;BB1;CD28LG;CD28LG1;LAB7
Host Species	Rabbit
Description	Anti-B7-1 antibody(DM109); Rabbit mAb
Delivery	3~4 weeks
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
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 scr

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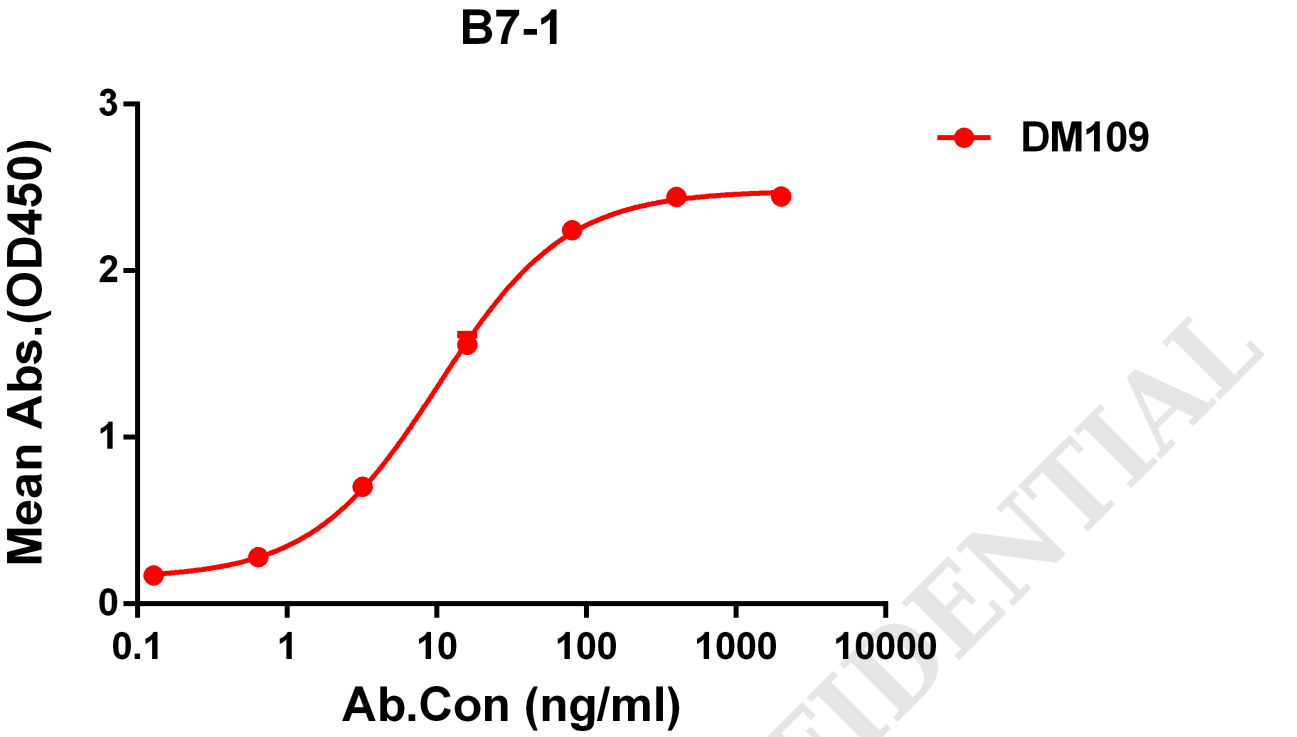

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human B7-1 protein, hFc tagged protein PME100473 can bind Rabbit anti-B7-1 monoclonal antibody (clone: DM109) in a linear range of 0.6-80 ng/ml.

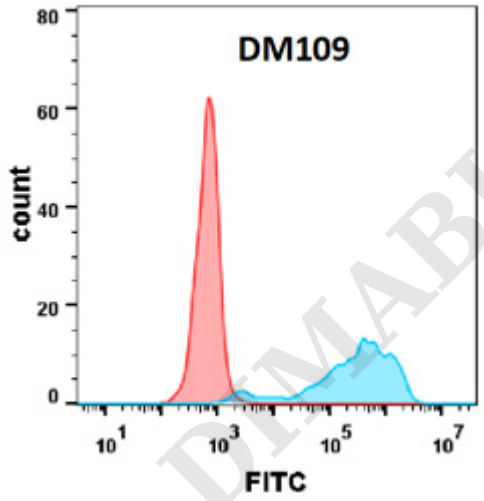

Figure 2. Flow cytometry analysis with Anti-B7-1 (DM109) on HEK293 cells transfected with human B7-1 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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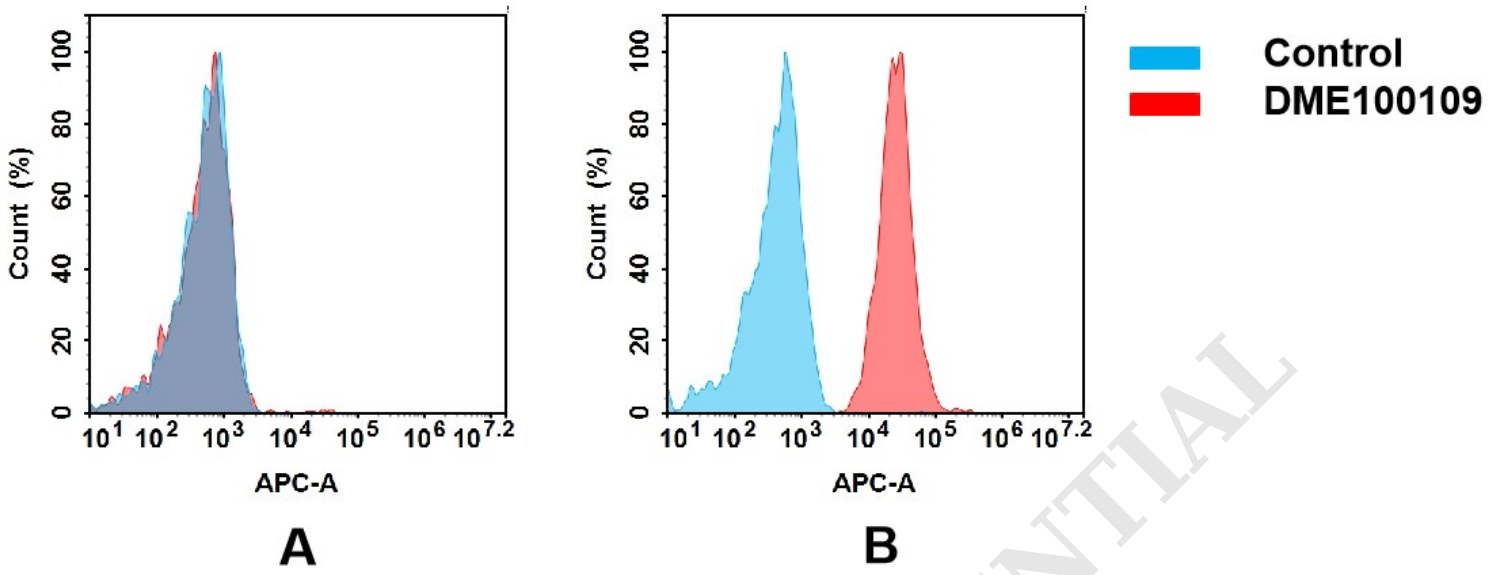

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-1 mAb(DME100109).
(A) DME100109 does not bind to CHO-S cells that do not express B7-1.
(B) A clear peak shift of DME100109 was seen compared to the control when incubated with B7-1-expressing Raji cells, indicating strong binding of DME100109 to B7-1. Antibodies were incubated at 5 μg/mL.

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