

PRODUCT INFORMATION

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| 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 scrutinizing all patent application to ensure no IP infringement. |



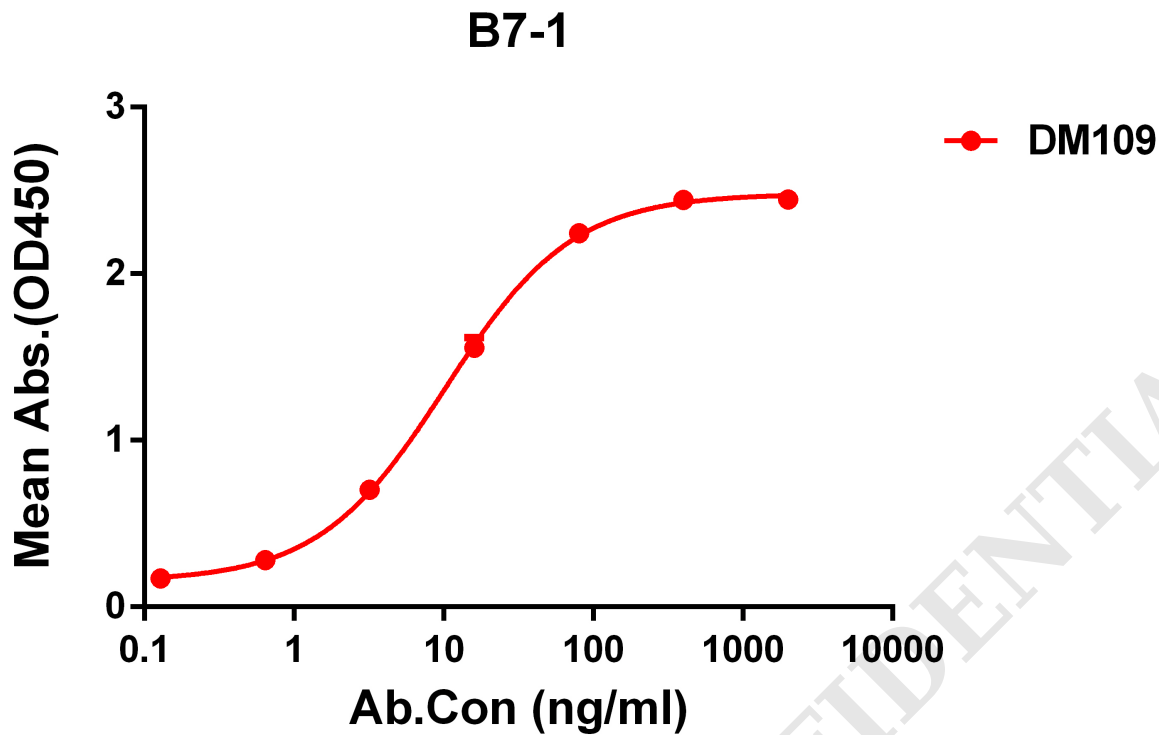


Figure 1. ELISA plate pre-coated by 2 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) Human B7-1 protein, hFc tagged protein PME100473 can bind Rabbit anti-B7-1 monoclonal antibody (clone: DM109) in a linear range of 0.6-80 ng/ml.

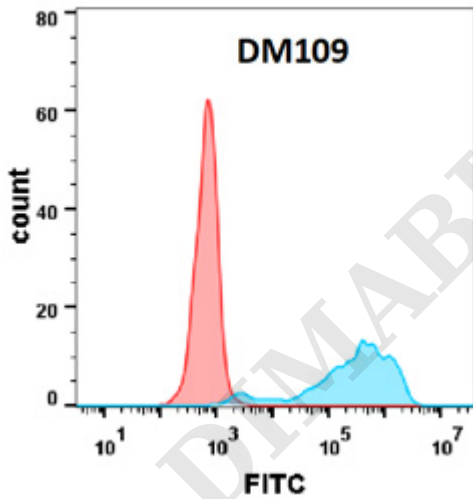


Figure 2. Flow cytometry analysis with Anti-B7-1 (DM109) on Expi293 cells transfected with human B7-1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



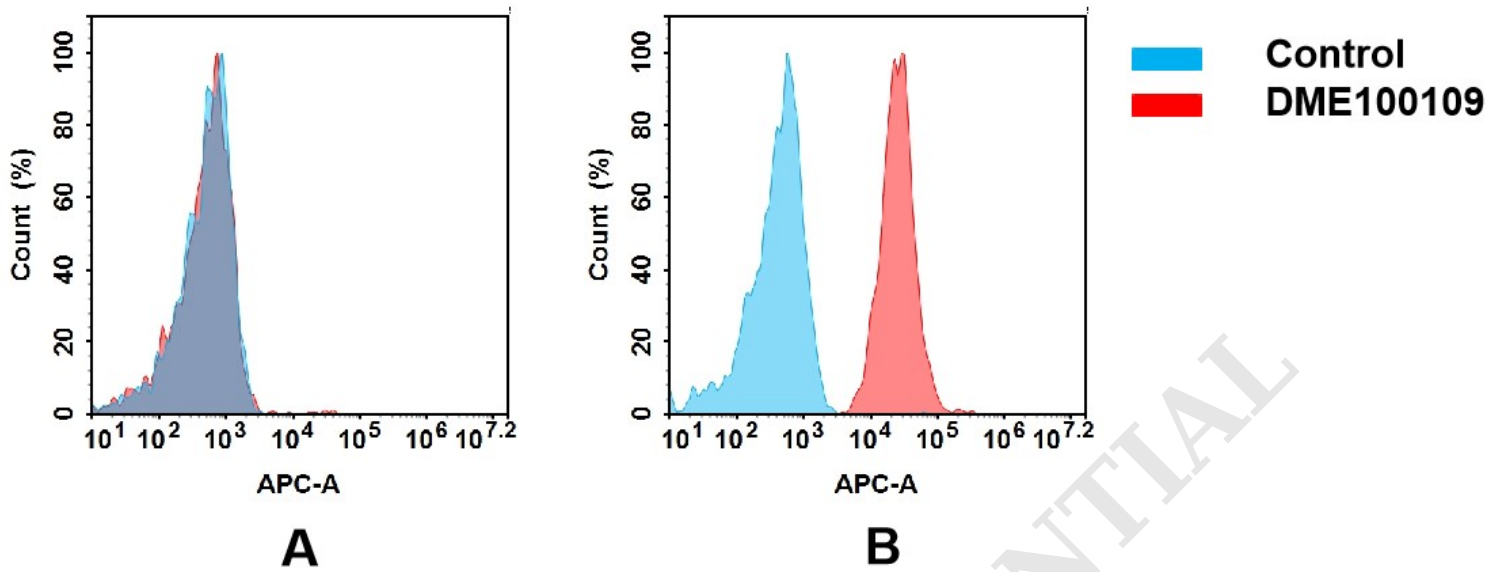


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-1 mAb(DME100109).

(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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