Cat. No. DME100111



## **PRODUCT INFORMATION**

Clone ID DM111 B7-1 **Target** 

**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

Storage & Shipping

**Background** 

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions** 

Purified from cell culture supernatant by affinity **Purification** 

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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.

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

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and may play a role in lupus neuropathy.

**Usage** Research use only

Conjugate Unconjugated





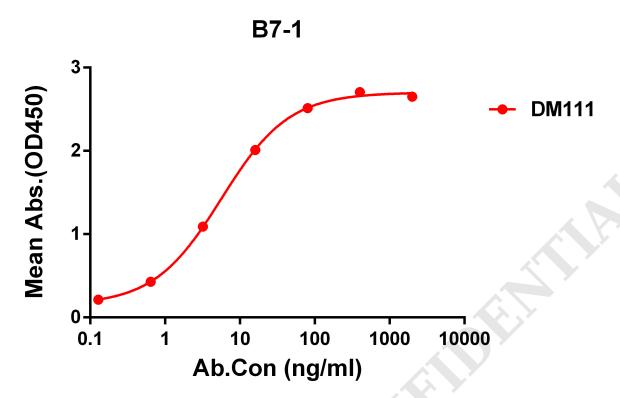


Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human B7-1 protein, hFc tagged protein PME100473 can bind Rabbit anti-B7-1 monoclonal antibody (clone: DM111) in a linear range of 0.2-80 ng/ml.

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).

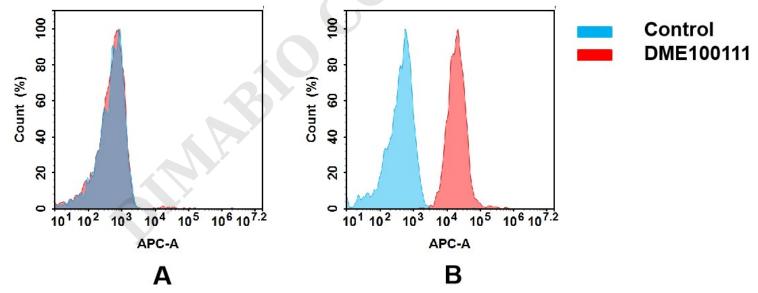
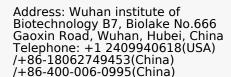


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-1 mAb(DME100111). (A) DME100111 does not bind to CHO-S cells that do not express B7-1. (B) A clear peak shift of DME100111 was seen compared to the control when incubated with B7-1-expressing Raji cells, indicating strong binding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



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