Cat. No. DME100109



PRODUCT INFORMATION

Clone ID DM109 B7-1 **Target**

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

Background

DIMA Disclaimer

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

Storage & Shipping 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

and may play a role in lupus neuropathy.

Usage Research use only

Conjugate Unconjugated

> 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

> > Email: info@dimabio.com Website: www.dimabio.com

actively scrutinizing all patent application to

ensure no IP infringement.





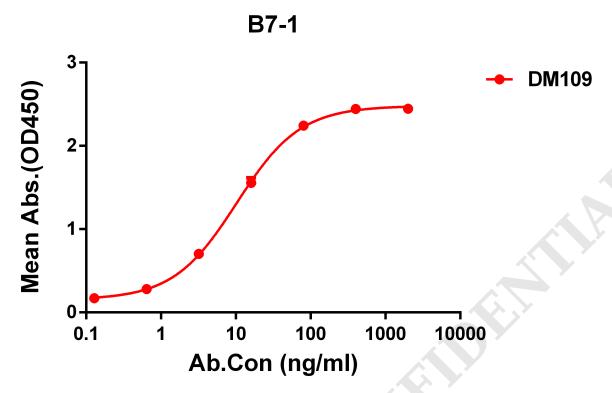


Figure 1. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human B7-1 protein, hFc tagged protein PME100473 can bind Rabbit anti-B7-1 monoclonal antibody (clone: DM109) in a linear range of 0.6-80 ng/ml.

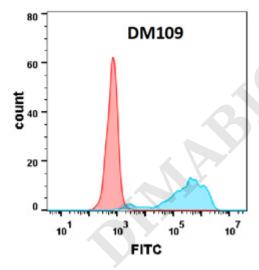


Figure 2. Flow cytometry analysis with Anti-B7-1 (DM109) on Expi293 cells transfected with human B7-1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



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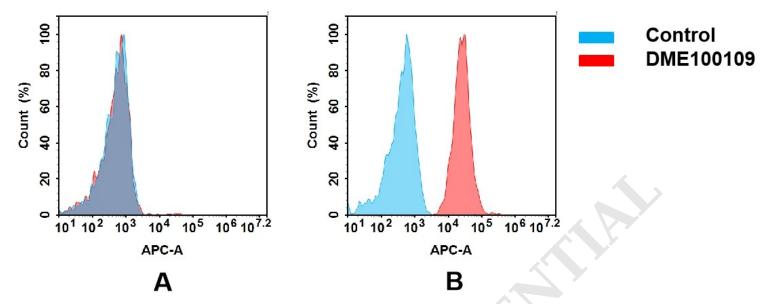


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-1 mAb(DME100109). (A) DME100109 does not bind to CHO-S cells that do not express B7-1. (B) A clear peak shift of DME100109 was seen compared to the control when incubated with B7-1-expressing Raji cells, indicating strong binding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

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

Email: info@dimabio.com Website: www.dimabio.com

