Cat. No. DME100098



## **PRODUCT INFORMATION**

Clone ID **DM98** B7-H2 **Target** 

ICOSLG; B7-H2; B7H2; B7RP-1; B7RP1; CD275; **Synonyms** GL50; ICOS-L; ICOSL; LICOS; ICOS ligand

**Host Species** 

**Description** Anti-B7-H2 antibody(DM98); Rabbit mAb

**Delivery** In Stock **Uniprot ID** 075144 Rabbit IgG IgG type Clonality Monoclonal Reactivity Human

**Applications** ELISA; Flow Cyt

Recommended

Storage & Shipping

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 % Formulation & - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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

témperature.

Inducible co-stimulator ligand (ICOSL); also known as B7-H2; is a member of the B7 family of costimulatory molecules related to B7-1 and B7-2. The protein is the ligand for the T-cellspecific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells.

**Background** 

Could play an important role in mediating local tissue responses to inflammatory conditions; as well as in modulating the secondary immune response by co-stimulating memory T-cell

function.

**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

**DIMA Disclaimer** 

actively scrutinizing all patent application to

ensure no IP infringement.



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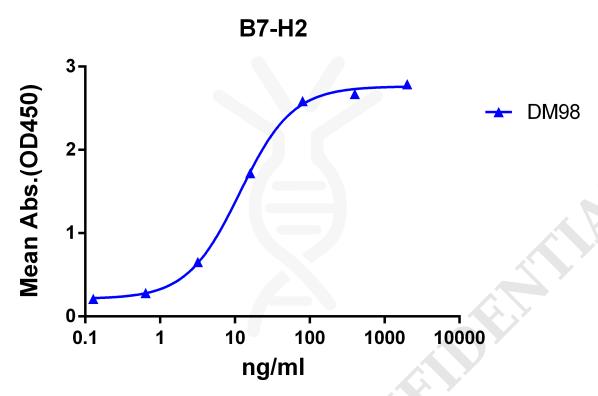


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human B7-H2 protein, mFc-His tagged protein PME100029 can bind Rabbit anti-B7-H2 monoclonal antibody ( clone: DM98) in a linear range of 3.2-80 ng/ml.

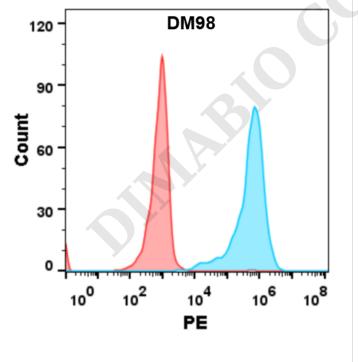


Figure 2. Flow cytometry analysis with Anti-B7-H2 ( DM98) on HEK293 cells transfected with human B7-H2 ( Blue histogram) or HEK293 transfected with irrelevant protein ( Red histogram).

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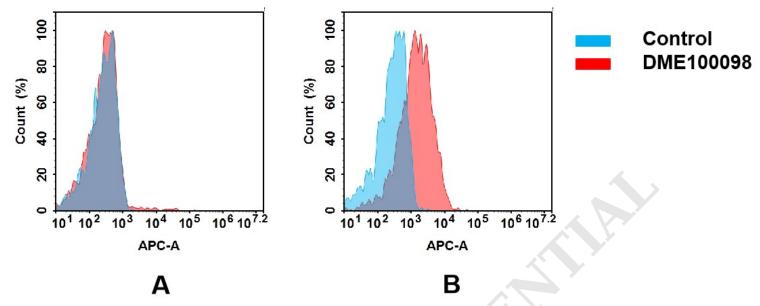


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-H2 mAb(DME100098). (A) DME100098 does not bind to Jurkat cells that do not express B7-H2. (B) A clear peak shift of DME100098 was seen compared to the control when incubated with B7-H2-expressing Raji cells, indicating strong binding of DME100098 to B7-H2. Antibodies were incubated at 5  $\mu$ g/mL.

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