

PRODUCT INFORMATION

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| Clone ID | DM97 |
| Target | B7-H2 |
| Synonyms | ICOSLG; B7-H2; B7H2; B7RP-1; B7RP1; CD275; GL50; ICOS-L; ICOSL; LICOS; ICOS ligand |
| Host Species | Rabbit |
| Description | Anti-B7-H2 antibody(DM97); Rabbit mAb |
| Delivery | In Stock |
| Uniprot ID | O75144 |
| 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 | Inducible co-stimulator ligand (ICOSL); also known as B7-H2; is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. The protein is the ligand for the T-cell-specific 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. 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 |
| 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 |



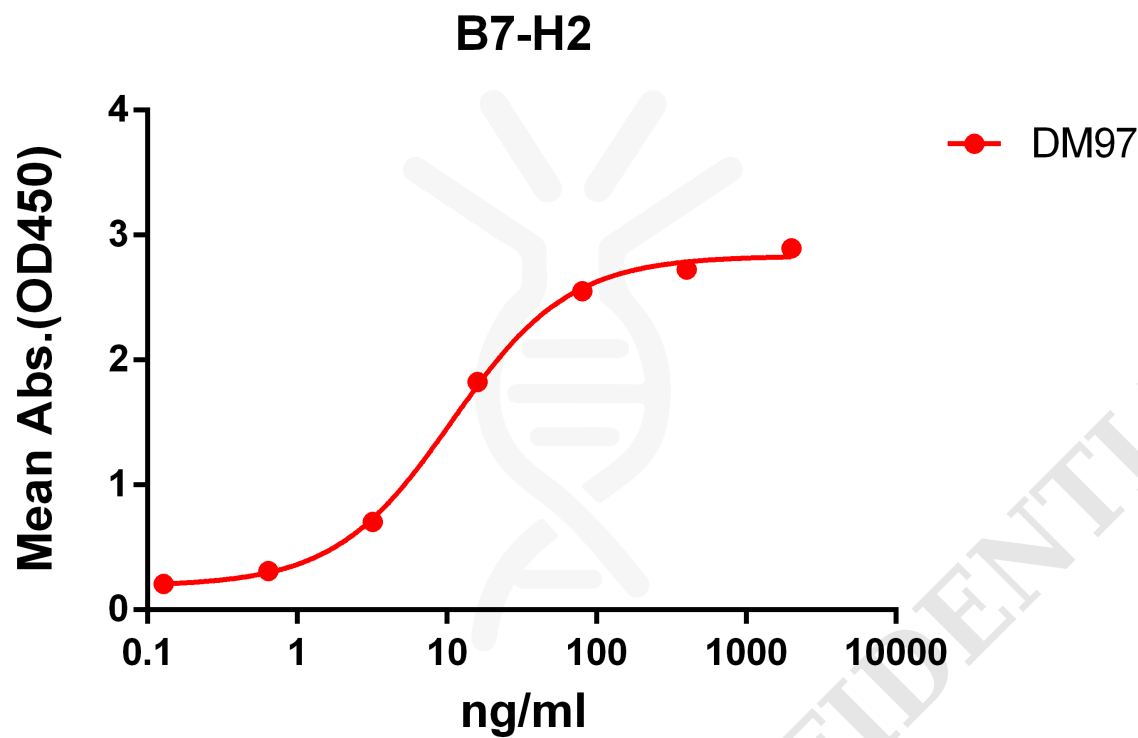


Figure 1. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human B7-H2 protein, mFc-His tagged protein PME100029 can bind Rabbit anti-B7-H2 monoclonal antibody (clone: DM97) in a linear range of 3.2-80 ng/ml.

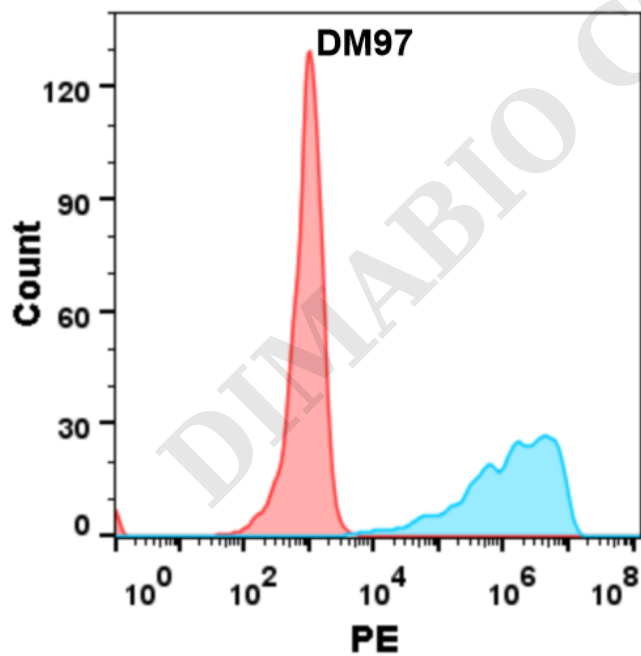


Figure 2. Flow cytometry analysis with Anti-B7-H2 (DM97) on HEK293 cells transfected with human B7-H2 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).



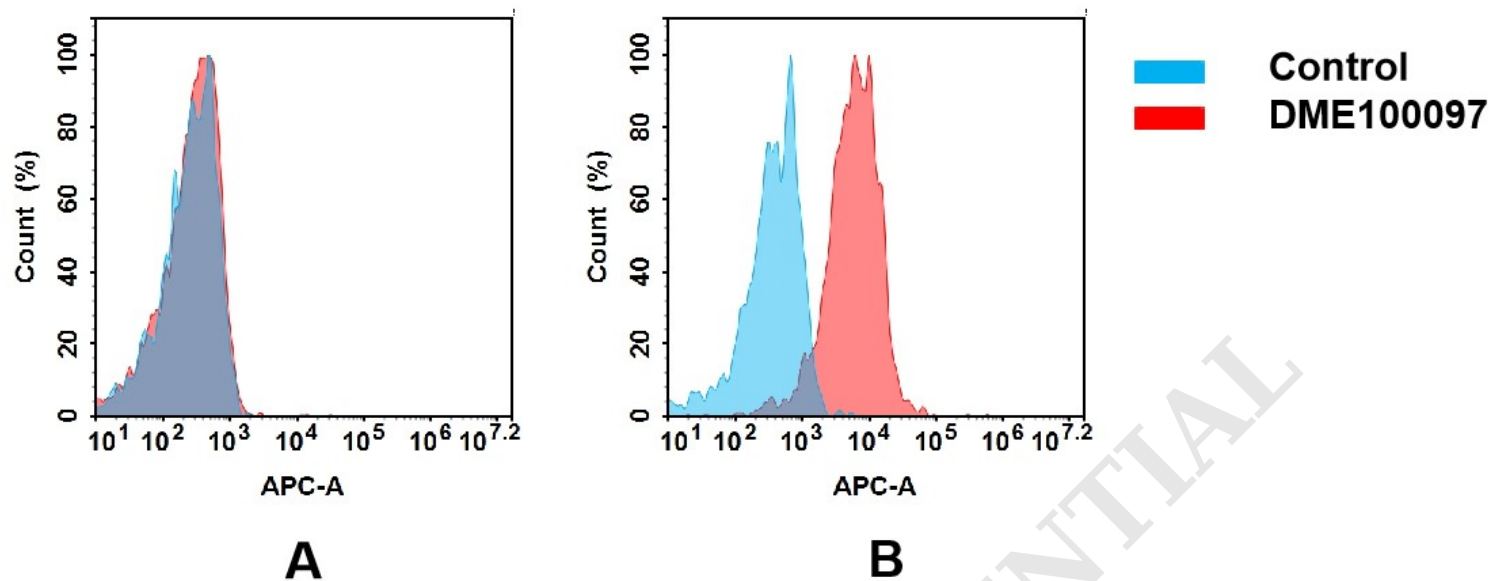


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-H2 mAb(DME100097).
(A) DME100097 does not bind to Jurkat cells that do not express B7-H2.
(B) A clear peak shift of DME100097 was seen compared to the control when incubated with B7-H2-expressing SiHa cells, indicating strong binding of DME100097 to B7-H2. Antibodies were incubated at 5 µg/mL.

