

PRODUCT INFORMATION

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



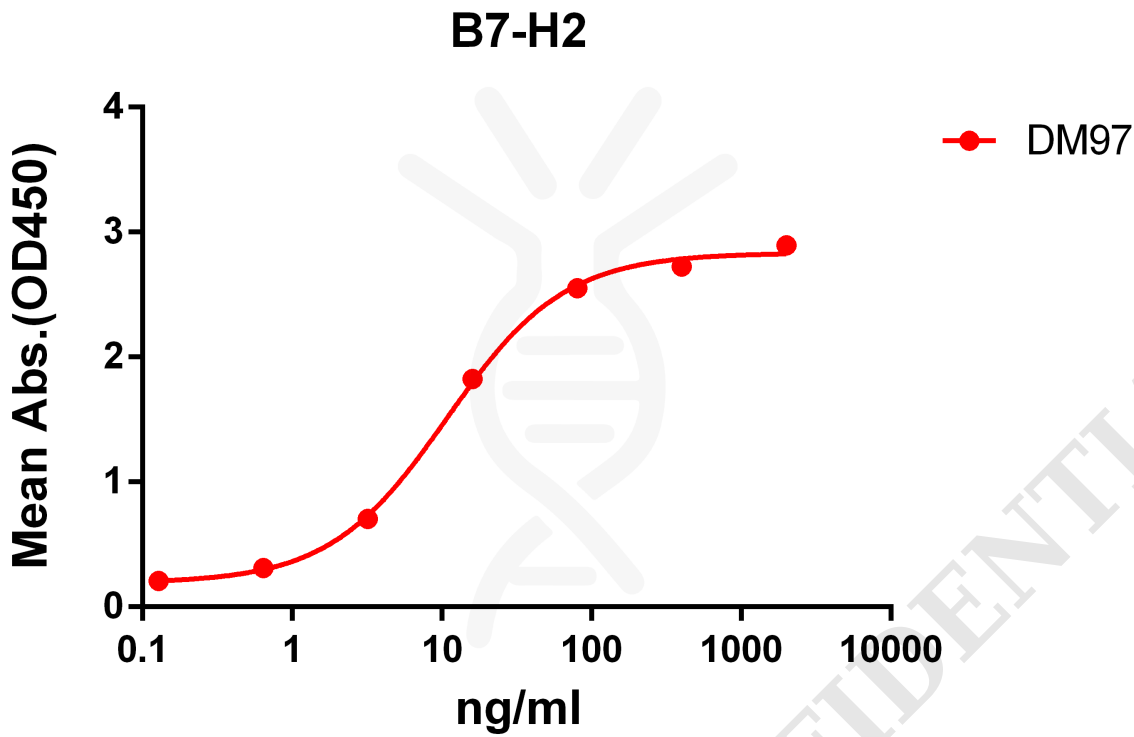


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human B7-H2 protein, mFc-His tagged protein PME100029 can bind Rabbit anti-B7-H2 monoclonal antibody (clone: DM97) in a linear range of 3.2-80 ng/ml.

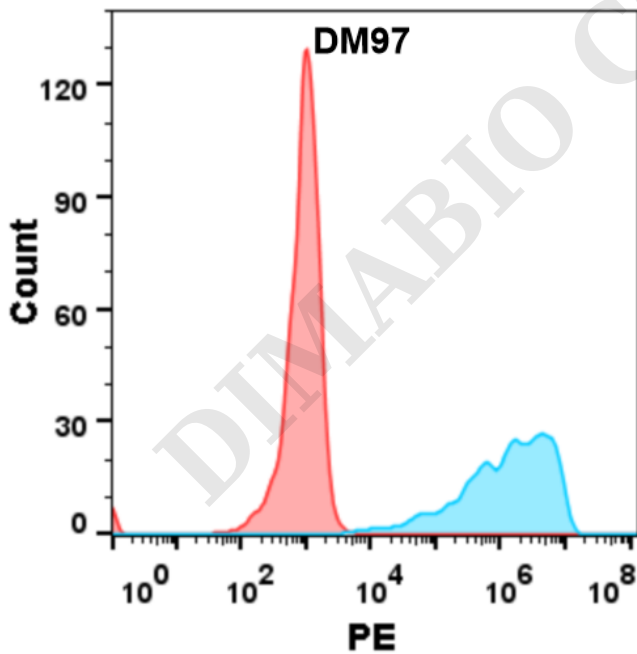


Figure 2. Flow cytometry analysis with Anti-B7-H2 (DM97) on Expi293 cells transfected with human B7-H2 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



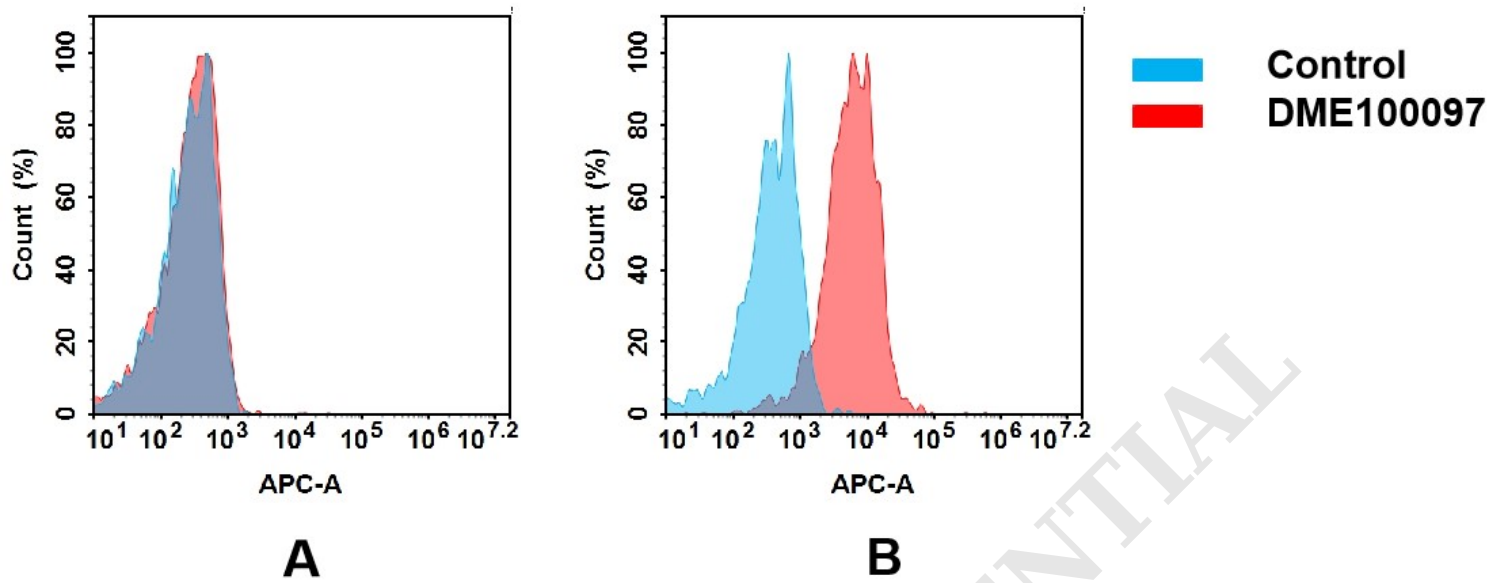


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human B7-H2 mAb(DME100097).

(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.

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