4-1BB LIGAND (DM68) RABBIT MAB

Cat.#: 28377
Product Name: Anti-4-1BB Ligand(DM68) Rabbit Monoclonal Antibody
Synonyms: 4-1BB Ligand;TNFSF9;CD137L
Description: Anti-4-1BB Ligand antibody(DM68) Rabbit Monoclonal Antibody
Background: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9:4-1BB; which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9:4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene; TNFSF9:4-1BBL; has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines; and is thought to be involved in T cell-tumor cell interaction.
Applications: ELISA; Flow Cyt
Recommended Dilutions: ELISA 1:5000-10000; Flow Cyt 1:100
Host Species: Rabbit
Isotype: Rabbit IgG
Purification: Purified from cell culture supernatant by affinity chromatography
Species Reactivity: Human 4-1BB Ligand
Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.
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).

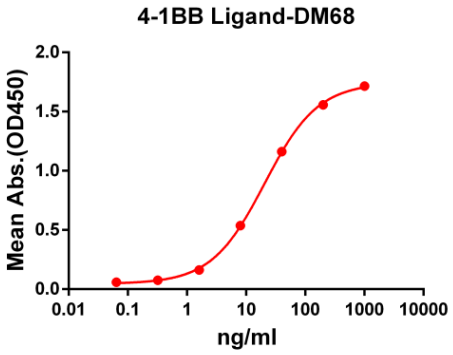

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human 4-1BB Ligand protein, mFc-His tagged protein 11178 can bind Rabbit anti-4-1BB Ligand monoclonal antibody (clone: DM68) in a linear range of 1-100 ng/ml.

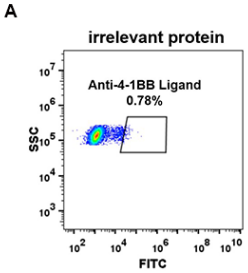

Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human 4-1BB Ligand (B) were surface stained with Rabbit anti-4-1BB Ligand monoclonal antibody 1μg/ml (clone: DM68) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

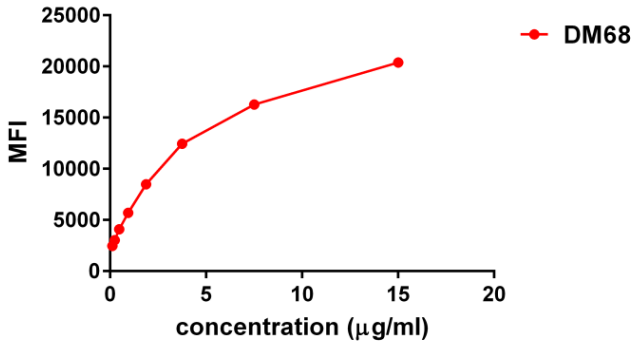

Figure 3. Flow cytometry data of serially titrated Rabbit anti-4-1BB Ligand monoclonal antibody (clone: DM68) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.