CTLA-4 (DM51) RABBIT MAB

Cat.#: 28347
Product Name: Anti-CTLA-4(DM51) Rabbit Monoclonal Antibody
Synonyms: CTLA4; CD152
Description: Anti-CTLA-4 antibody(DM51) Rabbit Monoclonal Antibody
Background: This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain; a transmembrane domain; and a cytoplasmic tail. Alternate transcriptional splice variants; encoding different isoforms; have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond; while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus; Graves disease; Hashimoto thyroiditis; celiac disease; systemic lupus erythematosus; thyroid-associated orbitopathy; and other autoimmune diseases.
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 CTLA-4
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).

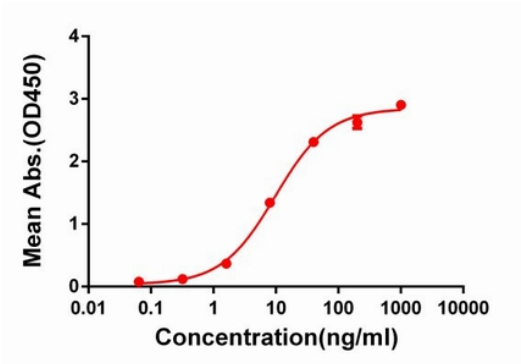

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human CTLA-4 protein, mFc-His tagged protein (11145) can bind Rabbit anti-CTLA-4 monoclonal antibody(clone: DM50) in a linear range of 1-100 ng/ml.

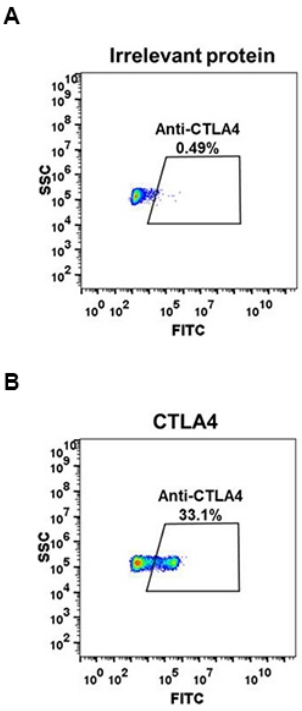

Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human CTLA-4 (B) were surface stained with Rabbit anti-CTLA-4 monoclonal antibody 1μg/ml (clone: DM50) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

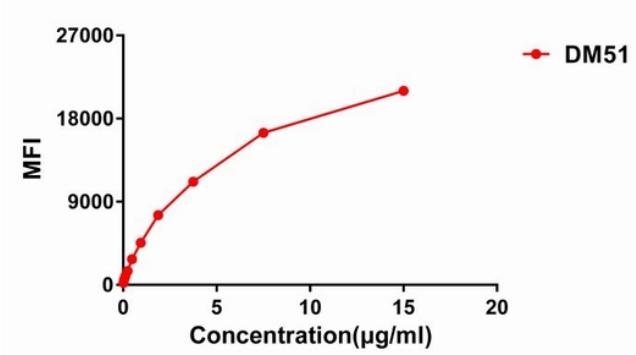

Figure 3. Flow cytometry data of serially titrated Rabbit anti-CTLA-4 monoclonal antibody (clone: DM51) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

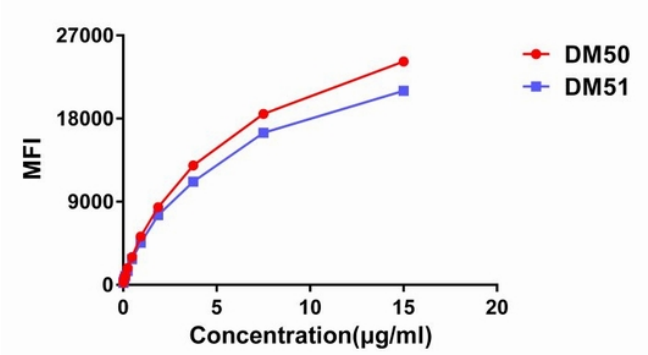

Figure 4. Affinity ranking of different Rabbit anti-CTLA-4 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.