PRODUCT INFORMATION

Clone ID	DM51
Target	CTLA-4
Synonyms	CTLA4; CD152
Host Species	Rabbit
Description	Anti-CTLA-4 antibody(DM51); Rabbit mAb
Delivery	In Stock
Uniprot ID	P16410
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	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.
Usage	Research use only□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 scrutinizing all patent application to ensure no IP infringement.
Conjugate	Unconjugated

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

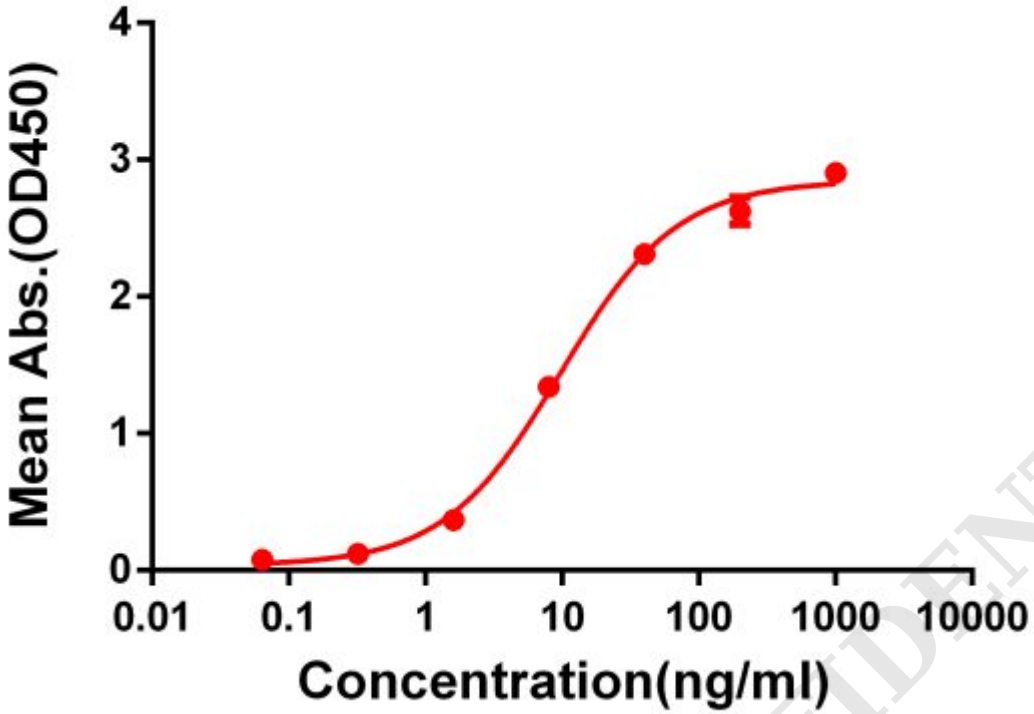

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human CTLA-4 protein, mFc-His tagged protein (PME100017) can bind Rabbit anti-CTLA-4 monoclonal antibody(clone: DM50) in a linear range of 1-100 ng/ml.

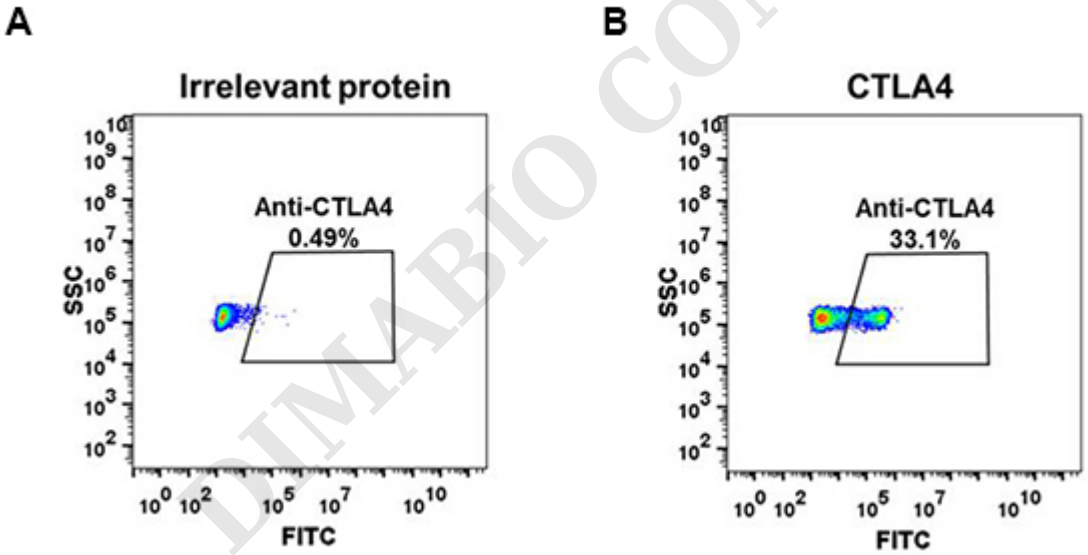

Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human CTLA-4 (B) were surface stained with Rabbit anti-CTLA-4 monoclonal antibody 1μg/ml (clone: DM50) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

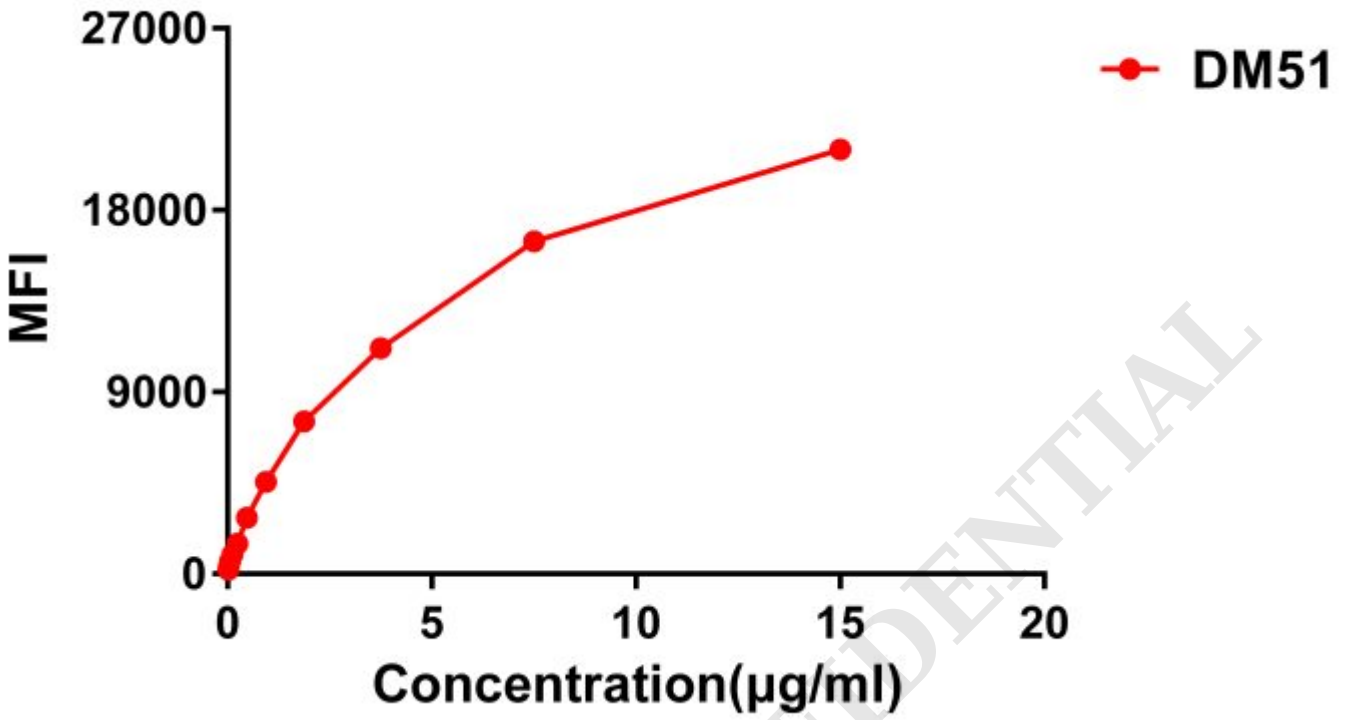

Figure 3. Flow cytometry data of serially titrated Rabbit anti-CTLA-4 monoclonal antibody (clone: DM51) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

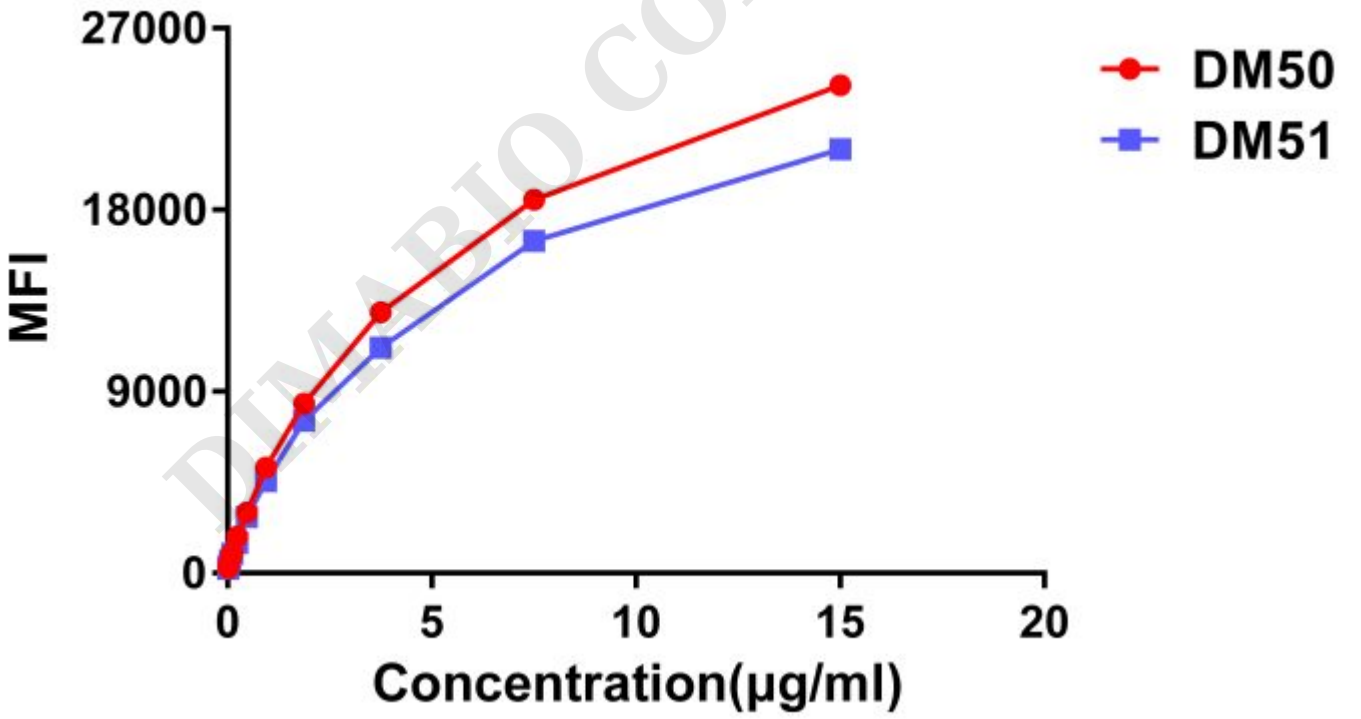

Figure 4. Affinity ranking of different Rabbit anti-CTLA-4 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com