PRODUCT INFORMATION

Clone ID	DM83
Target	TIM3
Synonyms	HAVCR2; TIM3; TIMD3; FLJ14428; KIM3
Host Species	Rabbit
Description	Anti-TIM3 antibody(DM83); Rabbit mAb
Delivery	In Stock
Uniprot ID	Q8TDQ0
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
Endotoxin	Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	The protein encoded by this gene belongs to the immunoglobulin superfamily; and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions; whereas; Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation; and inhibits Th1-mediated auto- and alloimmune responses; and promotes immunological tolerance.
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

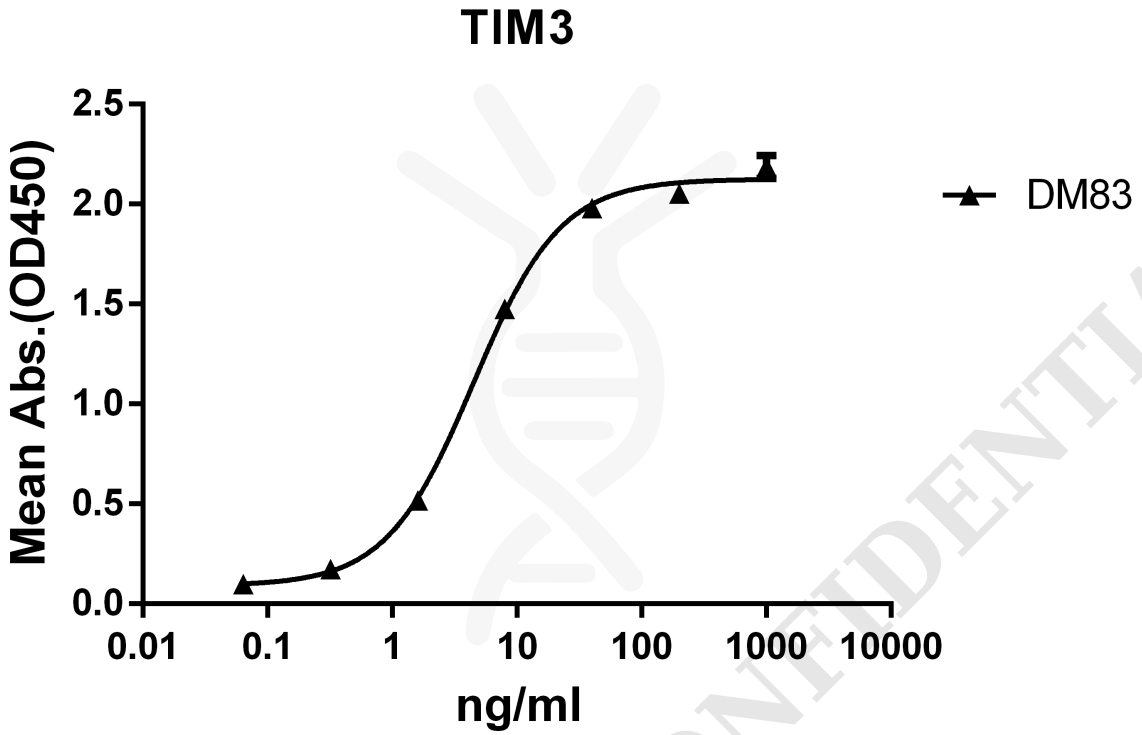

Figure 1. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human TIM3 protein, mFc-His tagged protein PME100030 can bind Rabbit anti-TIM3 monoclonal antibody (clone: DM83) in a linear range of 0.32-40 ng/ml.

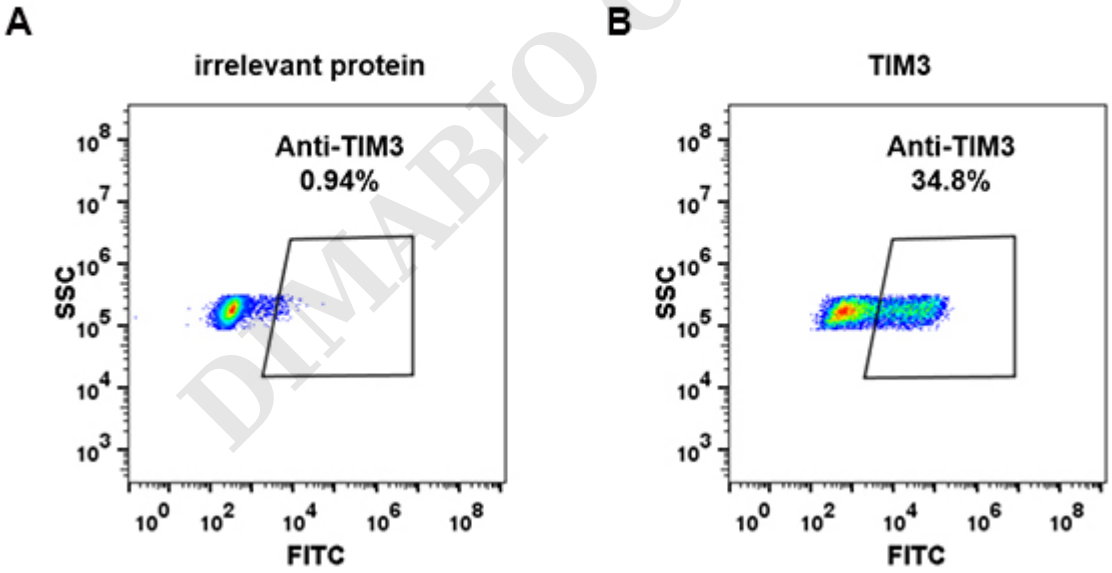

Figure 2. HEK293 cell line transfected with irrelevant protein (A) and human TIM3 (B) were surface stained with Rabbit anti-TIM3 monoclonal antibody 1μg/ml (clone: DM83) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

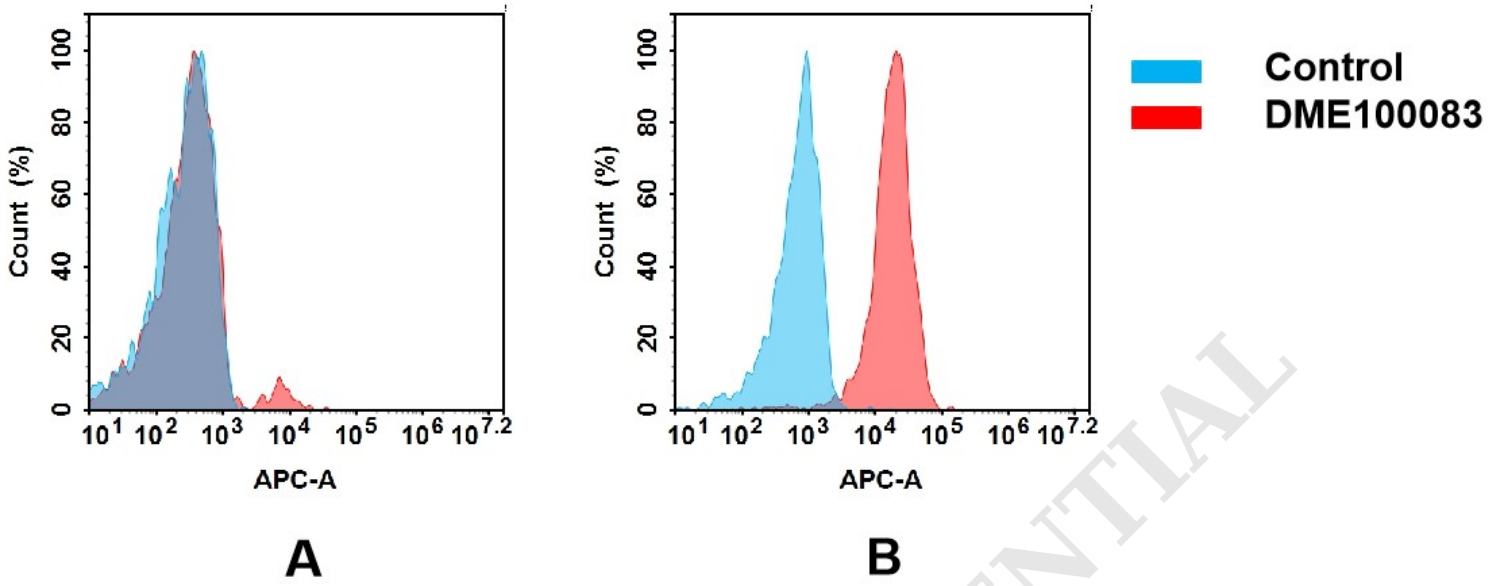

Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human TIM3 mAb(DME100083).

(A) DME100083 does not bind to 293T cells that do not express TIM3.
(B) A clear peak shift of DME100083 was seen compared to the control when incubated with TIM3-expressing 8226 cells, indicating strong binding of DME100083 to TIM3. Antibodies were incubated at 10 μg/mL.