

## **PRODUCT INFORMATION**

Clone ID **DM83** TIM3 **Target** 

**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

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions** 

Purified from cell culture supernatant by affinity **Purification** 

chromatography

Formulation & Reconstitution

Storage & Shipping

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.

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.

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 **Background** 

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

> All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or

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**DIMA Disclaimer** reverse engineering attempt is prohibited. We are

actively scrutinizing all patent application to

ensure no IP infringement.

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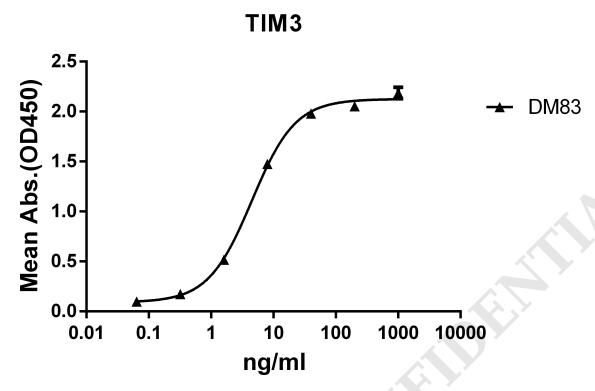


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human TIM3 protein, mFc-His tagged protein PME100030 can bind Rabbit anti-TIM3 monoclonal antibody ( clone: DM83) in a linear range of 0.32-40 ng/ml.

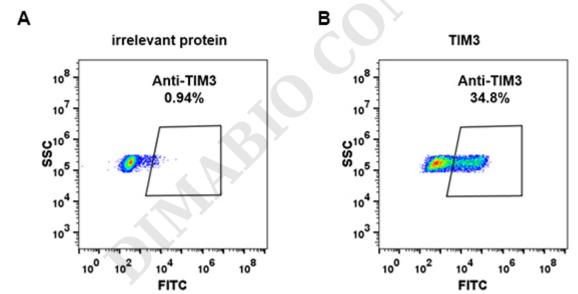


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human TIM3 (B) were surface stained with Rabbit anti-TIM3 monoclonal antibody  $1\mu g/ml$  ( clone: DM83) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.





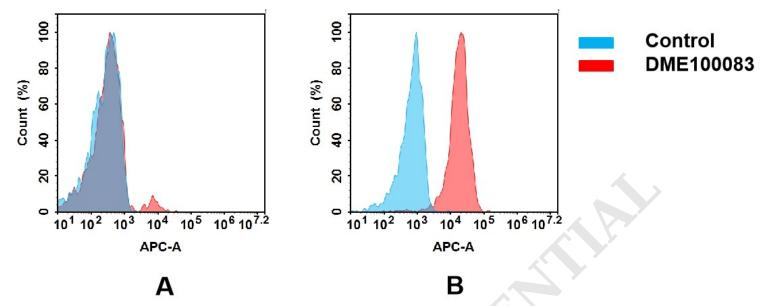


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human TIM3 mAb(DME100083).

(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.

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