PRODUCT INFORMATION

Target	TIM3
Synonyms	HAVCR2;TIM3;TIMD3;FLJ14428;KIM3
Description	Recombinant human TIM3 protein with C-terminal mouse Fc and 6×His tag
Delivery	In Stock
Uniprot ID	Q8TDQ0
Expression Host	HEK293
Tag	C-Mouse Fc and 6×His Tag
Molecular Characterization	TIM3(Ser22-Gly202) mFc(Pro99-Lys330) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 47.5 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
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	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

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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

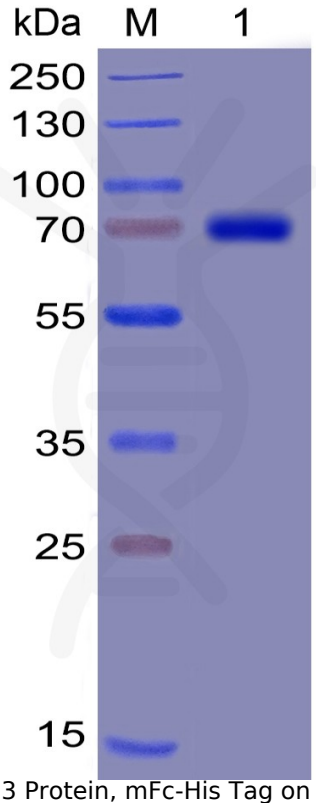


Figure 1. Human TIM3 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

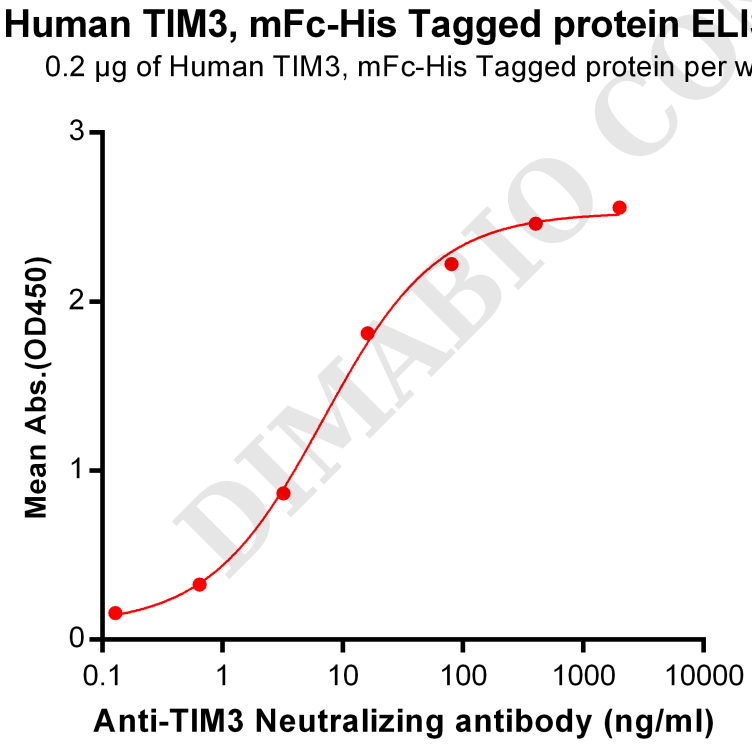


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human TIM3, mFc-His tagged protein (PME100030) can bind Anti-TIM3 Neutralizing antibody ([getskuurl sku="BME100008"]) in a linear range of 0.64-80 ng/ml.

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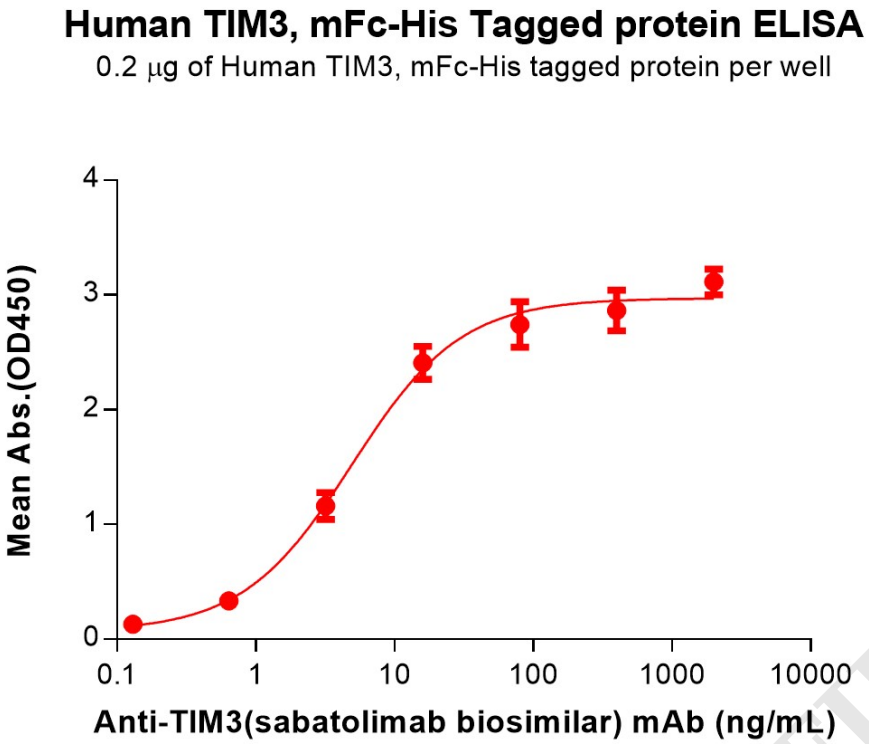


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human TIM3 Protein, mFc-His Tag (PME100030) can bind Anti-TIM3(sabatolimab biosimilar) mAb (BME100173) in a linear range of 0.64–16 ng/mL.

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