

## PRODUCT INFORMATION

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



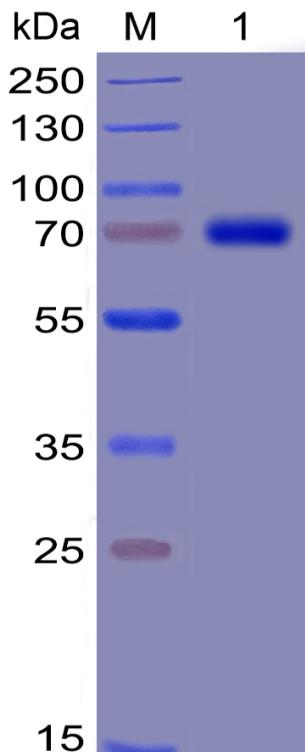


Figure 1. Human TIM3 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

### Human TIM3, mFc-His Tagged protein ELISA

0.2 µg of Human TIM3, mFc-His Tagged protein per well

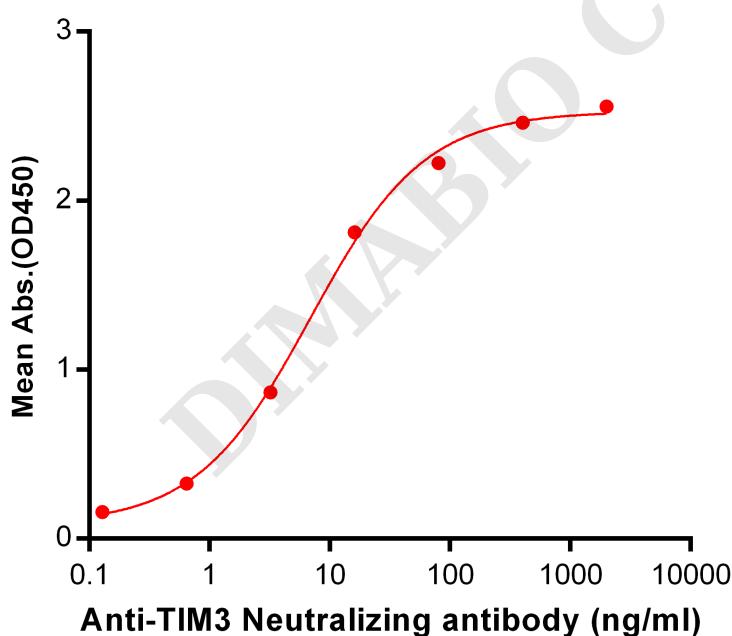


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human TIM3, mFc-His tagged protein (PME100030) can bind Anti-TIM3 Neutralizing antibody ([getskuurl sku="BME100008"]) in a linear range of 0.64-80 ng/ml.



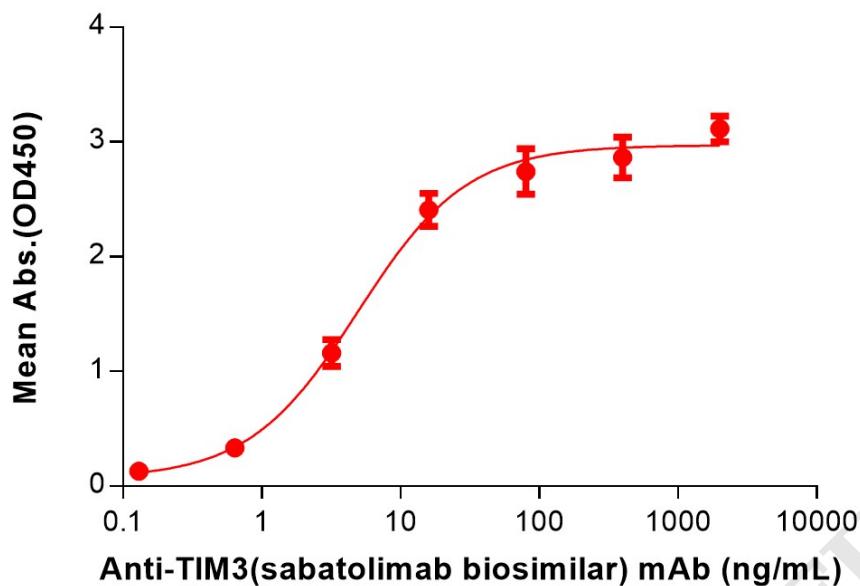
**Human TIM3, mFc-His Tagged protein ELISA**0.2  $\mu$ g of Human TIM3, mFc-His tagged protein per well

Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/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.

