

MOUSE TIM3 PROTEIN, HFC TAG**Cat.#:** 12172**Product Name:** Mouse TIM3 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** HAVCR2;TIMD3;FLJ14428;KIM3**Target:** TIM3**UNIPROT ID:** Q8VIM0**Description:** Recombinant mouse TIM3 protein with C-terminal human Fc tag**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. [provided by RefSeq, Sep 2011]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 45.4 kDa after removal of the signal peptide. The apparent molecular mass of mTIM3-hFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** Mouse TIM3(Arg20–Thr192) hFc(Glu99–Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**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.

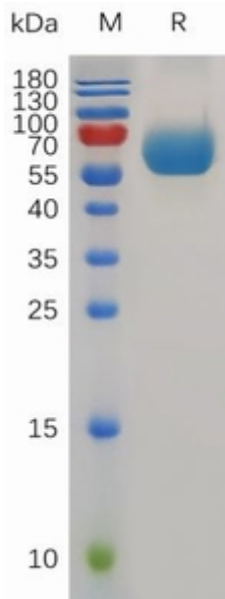


Figure 1. Mouse TIM3 Protein, hFc Tag on SDS-PAGE under reducing condition.