

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.