

Recombinant Human T Cell Immunoglobulin and Mucin Domain-3/TIM-3/HAVCR2 Protein(C-Fc-6His)

Cat.NO.: TP04761

3th Edition

Synonyms:Hepatitis A virus cellular receptor 2; T-cell immunoglobulin and mucin domain-containing protein 3; T-cell membrane protein 3; FLJ14428;KIM-3;Tim-3;TIM3;TIMD3

Description:Hepatitis A virus cellular receptor 2?HAVCR2?is a single-pass type I membrane protein and it contains 1 Ig-like V-type (immunoglobulin-like) domain. The protein belongs to the immunoglobulin superfamily, and TIM family of proteins. The protein regulates macrophage activation. It inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance. It may be also involved in T-cell homing and it is receptor for LGALS9. CD4 (MIM 186940)-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells and their associated cytokines 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. The 2 types of cells also cross-regulate the functions of the other. TIM3 is a Th1-specific cell surface protein that regulates macrophage activation and enhances the severity of experimental autoimmune encephalomyelitis in mice.

Form:PBS

Molecular Weight:47.7 kDa

Sequences:Ser22-Arg200

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.