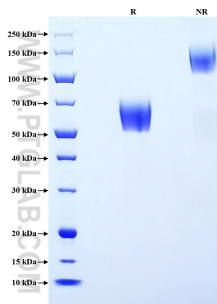


Recombinant Mouse TIM-3 protein (rFc Tag)(HPLC verified)

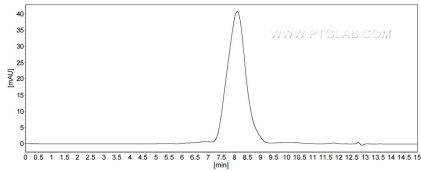
Catalog Number: Eg2831

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse TIM-3 protein Ser21-Thr189 (Accession# Q8VIM0-1) with a rabbit IgG Fc tag at the C-terminus. GeneID: 171285 Accession: Q8VIM0-1 Predicted Molecular Mass: 44.3 kDa SDS-PAGE: 52-70 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	TIM3, also known as HAVCR2, is a member of T cell Ig and mucin domain-containing molecule superfamily. TIM3 is a negative regulatory molecule that is important for T cell tolerance and has a crucial role in autoimmunity and T cell exhaustion during chronic viral infection. TIM3 is expressed by T-helper type 1 (Th1) cells, macrophage, monocyte, dendritic cells, CD8+ T cell and other lymphocyte subsets. Galectin-9 is a ligand for TIM3. TIM3-galectin-9 pathway negatively regulates T helper type 1 immunity.		
References	1. Isabel Sada-Ovalle, et al. (2012) J Immunol. 189(12):5896-902. 2. Chen Zhu, et al. (2005) Nat Immunol. 6(12):1245-52.		
Synonyms	CD366, Havcr2, HAVcr-2, Hepatitis A virus cellular receptor 2 homolog, T-cell immunoglobulin and mucin domain-containing protein 3		

Selected Validation Data



Purity of Recombinant Mouse TIM-3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse TIM-3 was greater than 90% as determined by SEC-HPLC.