

For Research Use Only

Recombinant Mouse CD226 protein (rFc Tag)



Catalog Number: Eg1588

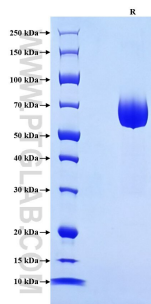
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse CD226 protein Glu19-Pro254 (Accession# Q8K4F0) with a rabbit IgG Fc tag at the C-terminus. GeneID: 225825 Accession: Q8K4F0 Predicted Molecular Mass: 53.1 kDa SDS-PAGE: 55-70 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	CD226 (DNAM-1) is a glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. CD226 acts as an adhesion molecule guiding immune cells to bind to target cells and mediate the formation of immune synapses. It also mediates cytotoxicity and promotes the production of cytokines by transmitting intracellular signals. The protein also plays a role in megakaryocytic cell maturation. Interactions of CD226 and its ligands, CD155 and CD112, induce NK and T cell-mediated cytotoxicity and cytokine secretion.		
References	1. Chan CJ, et al. (2012). Curr Opin Immunol. 24(2):246-251. 2. Huang Z, et al. (2020). Front Cell Dev Biol. 8:564. 3. Tahara-Hanaoka S, et al. (2004). Int Immunol. 16(4):533-538.		
Synonyms	CD226 antigen, Dnam-1, Platelet and T-cell activation antigen 1, Pta1		

For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Mouse CD226 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.