Recombinant Mouse Cd226 protein, C-His-hFc Tag

Product Information

Cat	*IMP-349*
Official Symbol	*Cd226*
Product Overview	*Recombinant Mouse Cd226 protein(NP_848802.2) (Met 1-Pro 254) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.*
Description	*The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD226, also known as PTA1 or DNAM-1, is a member of the immunoglobulin superfamily containing 2 Ig-like domains of the V-set. High rate of CD226 (Cluster of Differentiation 226) is found on the surface of natural killer cells, platelets, monocytes and a subset of T cells. CD226 have binding sites with CD112 and CD155 and mediate cellular adhesion to other cells containing its ligands.*
Expression System	*HEK293*
Species	*Mouse*
Tag	*C-His-hFc Tag*
Predicted N Terminal	*Glu 19*
Form	*Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.*
Molecular Mass	*The recombinant mouse DNAM1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 484 amino acids and has a predicted molecular mass of 55 kDa. As a result of glycosylation, rm DNAM1/Fc monomer migrates with an apparent molecular mass of 70-80 kDa in SDS-PAGE under reducing conditions.*
Protein length	*Met 1-Pro 254*
Endotoxin	*< 1.0 EU per μg of the protein as determined by the LAL method*
Purity	*> 97 % as determined by SDS-PAGE*
Storage	*Samples are stable for up to twelve months from date of receipt at -20°C to*

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-80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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