

Recombinant Human CD226/DNAM-1 Protein (His Tag)

Catalog Number:PKSH033728



Note: Centrifuge before opening to ensure complete recovery of vial contents.

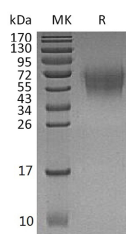
Description

| | |
|------------------------------------|--|
| Synonyms | CD226 antigen;DNAX accessory molecule 1;DNAM-1;CD226;DNAM1 |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Glu19-Asn247 |
| Accession | Q15762 |
| Calculated Molecular Weight | 26.8 kDa |
| Observed molecular weight | 43-55 kDa |
| Tag | C-His |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human DNAX accessory molecule 1 (DNAM-1/CD226) is a 65 kDa type I transmembrane glycoprotein in the immunoglobulin superfamily. Mature human DNAM-1 contains an extracellular domain (ECD) with two Ig-like C2-set domains and a cytoplasmic region that contains motifs for binding PDZ domains and band 4.1 family proteins. DNAM-1 is expressed on multiple lymphoid and myeloid cells and interacts with CD155 and CD112. Ligation of DNAM-1 promotes the activation of NK cells; CD8+ T cells; and mast cells; dendritic cell maturation; megakaryocyte and activated platelet adhesion to vascular endothelial cells; and monocyte extravasation; it inhibits the formation of osteoclasts. Platelet-endothelium; interactions mediated by DNAM-1; enable the metastasis of tumor cells to the lung.

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