

## Recombinant Human CD226/DNAM-1 Protein (Fc Tag)

Catalog No. PKSH033729

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

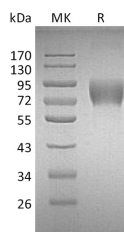
### Description

|                                    |  |
|------------------------------------|--|
| <b>Synonyms</b>                    | CD226 antigen;DNAX accessory molecule 1;DNAM-1;CD226;DNAM1 |
| <b>Species</b>                     | Human  |
| <b>Expression Host</b>             | HEK293 Cells   |
| <b>Sequence</b>                    | Glu19-Asn247   |
| <b>Accession</b>                   | Q15762   |
| <b>Calculated Molecular Weight</b> | 52.8 kDa   |
| <b>Observed molecular weight</b>   | 72-90 kDa  |
| <b>Tag</b>                         | C-Fc   |
| <b>Bioactivity</b>                 | Not validated for activity                                 |

### Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Storage</b>        | 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.             |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | 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

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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. Plateletendothelium; interactions mediated by DNAM-1; enable the metastasis of tumor cells to the lung.