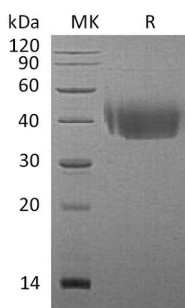


## Summary

<b>Name</b>	DNAM-1/CD226/CD226 Antigen/DNAX Accessory Molecule-1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Mouse DNAX Accessory Molecule-1 is produced by our Mammalian expression system and the target gene encoding Glu19-Pro254 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q8K4F0
<b>Host</b>	Human Cells
<b>Species</b>	Mouse
<b>Predicted Molecular Mass</b>	27.6 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

**Product Name: Recombinant Mouse DNAM-1 (C-6His)**  
**Catalog #: PHM0540**



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**Alternative Names**

CD226 antigen; platelet and T cell activation antigen 1; CD226 molecule; DNAM1 adhesion glycoprotein; DNAM-1; DNAX accessory molecule-1; DNAX accessory molecule 1; PTA1; T lineage-specific activation antigen 1 antigen; CD226; PTA1; TLiSA1

**Background**

Mouse DNAX accessory molecule-1(DNAM-1) is a type I transmembrane glycoprotein that belongs to the immunoglobulin superfamily. As an activating receptor, it interacts with the ligands CD155 and CD112, and activates natural killer (NK) cells via its immunoreceptor tyrosine-based activatory motif (ITAM). Mature mouse DNAM-1 has extracellular domain (ECD) that contains two Ig-like C2-set domains, and possesses a cytoplasmic region that contains motifs for binding PDZ domains. DNAM-1 is expressed on several lymphoid and myeloid cell types and interacts with CD155/PVR and Nectin-2/CD112. Ligation of DNAM-1 promotes the activation of NK cells, CD8+ T cells, and mast cells, induces dendritic cell maturation, initiates megakaryocyte and activated platelet adhesion to vascular endothelial cells, and stimulates monocyte extravasation; Conversely, it inhibits the formation of osteoclasts. Platelet-endothelium interactions that are mediated by DNAM-1 enable the metastasis of tumor cells to the lung.

**Note**

For Research Use Only , Not for Diagnostic Use.