

Product datasheet for **TP727655**

Cd226 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse DNAX Accessory Molecule-1/DNAM-1/CD226 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Glu19-Pro254
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	225825
UniProt ID:	Q8K4F0
Summary:	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 ^{1,3,4} 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.



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