

Recombinant Mouse DNAX Accessory Molecule-1 Protein

Cat.NO.: TP05006

3th Edition

Synonyms: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; TLIISA1

Description: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.

Form:PBS

Molecular Weight:27.6 kDa

Sequences:Met 1-Pro 254

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.