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32-8893: Recombinant Mouse DNAX Accessory Molecule-1/DNAM-1/CD226 (C-6His)

Gene : Cd226
Gene ID : 225825
Uniprot ID : Q8K4F0

Description

Source: Human Cells.
MW :27.6kD.
Recombinant Mouse DNAX Accessory Molecule-1 is produced by our Mammalian expression system and the target gene encoding Glu19-Pro254 is expressed fused with a 6His tag at the C-terminus. 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 immu-noreceptor 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	EETLWDTTVRLSETMTLECVYPLTHNLTQVEWTKNTGTKTVSIAVYNPNHNMHIESNYLHRVHFLNSTVGFRN MSLSFYNASEADIGIYSCLFHAFPNGPWEKKIKVVWSDSFEIAAPSDSYLSAEPGQDVTLTCQLPRTWPVQQVI WEKVQPHQVDILASCNLSQETRYTSKYLRQTRSNCSQGSMKSILIIPNAMAADSGLYRCRSEAITGKNKSFVIRLI ITDGGTNKHFILPHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.