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Datasheet for ABIN7319663
CD226 Protein (CD226) (His tag)

Overview

Quantity:	50 µg
Target:	CD226
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD226 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD226/DNAM-1 Protein (His Tag)
Sequence:	Glu19-Asn247
Characteristics:	Recombinant Human CD226 is produced by our Mammalian expression system and the target gene encoding Glu19-Asn247 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD226
Alternative Name:	CD226/DNAM-1 (CD226 Products)
Background:	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 domains and a cytoplasmic

Target Details

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. Platelet-endothelium interactions mediated by DNAM-1, enable the metastasis of tumor cells to the lung.

Synonym: CD226 antigen, DNAX accessory molecule 1, DNAM-1, CD226, DNAM1

Molecular Weight: 26.8 kDa

UniProt: [Q15762](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.