

## 32-8970: Recombinant Human CD226 Antigen/DNAM-1/CD226 (C-6His)

**Gene :** CD226  
**Gene ID :** 10666  
**Uniprot ID :** Q15762

### Description

Source: Human Cells.  
MW :26.8kD.

Recombinant Human CD226 Antigen is produced by our Mammalian expression system and the target gene encoding Glu19-Asn247 is expressed with a 6His tag at the C-terminus. 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 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. Plateletendothelium, interactions 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 :** EEVLWHTSV PFAENMSLECVYPSMGILTQVEWFKIGTQQDSIAIFSPTHGMVIRKPYAERVYFLNST  
MASNNMTLFFRNASEDDVGYYSCSLYTPQG TWQKVIVVQSDSFEAAVPSNSHIVSEPGKNVTL  
TCQPQMTWPVQAVRWEKIQPRQIDLLTYCNLVHGRNFTSKFPRQIVSNCSHGRWSVIVIPDVTVSD  
SGLYRCYLQASAGENETFMRLTVAEGKTDNHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.