

Recombinant Human DNAM-1/CD226 (His-Avi Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human DNAM-1/CD226 (His-Avi Tag)	93589ES25	25 µg
	93589ES60	100 µg
	93589ES76	500 µg
	93589ES80	1 mg

产品描述

DNAM-1 accessory molecule-1 (DNAM-1), also known as CD226, is a 65 kDa type I transmembrane glycoprotein in the immunoglobulin superfamily. Mature human DNAM-1 contains a 236 amino acid (aa) extracellular domain (ECD) with two Ig-like C2-set domains and a 61 aa 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/PVR and Nectin-2/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 can enable the metastasis of tumor cells to the lung. CD96 competes with DNAM-1 for binding to CD155 and blocks DNAM-1 mediated NK cell activation. In activated, but not in resting NK, T, and mast cells, the cis association of DNAM-1 with CD18 contributes to the tyrosine and serine phosphorylation of DNAM-1 during activation.

产品性质

别名	CD226 molecule; CD226; DNAM1; PTA1; TLiSA1
Uniprot No.	Q15762
表达区间及表达系统	Recombinant Human DNAM-1/CD226 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Glu19-Asn247.
分子量	Approximately 28.9 kDa. Due to glycosylation, the protein migrates to 45-70 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	SPR Data: Human CD155, hFc Tag captured on Protein A chip, can bind Human DNAM-1, His Tag with an affinity constant of 0.22µM as determined in a SPR assay (Biacore T200).
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

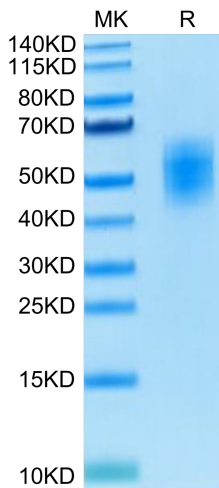
建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

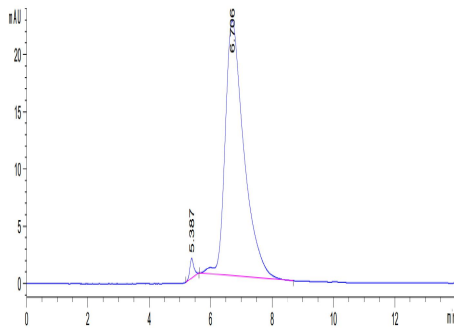
产品数据

Tris-Bis PAGE



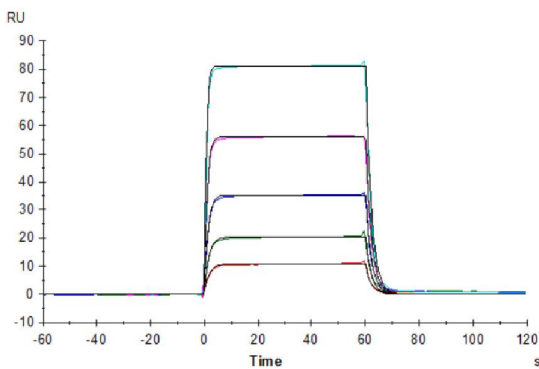
Human DNAM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human DNAM-1 is greater than 95% as determined by SEC-HPLC.

SPR Data



Human CD155, hFc Tag captured on Protein A chip, can bind Human DNAM-1, His Tag with an affinity constant of $0.22\mu\text{M}$ as determined in a SPR assay (Biacore T200).