

Recombinant Human CD27/TNFRSF7 (hFc Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human CD27/TNFRSF7 (hFc Tag)	93586ES25	25 µg
	93586ES60	100 µg
	93586ES76	500 µg
	93586ES80	1 mg

产品描述

CD27, also known as TNFRSF7, is an approximately 55 kDa transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory molecule that supports lymphocyte activation and survival. Mature human CD27 consists of a 172 amino acid (aa) extracellular domain (ECD) with three TNFR cysteine-rich repeats, a 21 aa transmembrane segment, and a 48 aa cytoplasmic domain. Within the ECD, human CD27 shares 63% and 66% aa sequence identity with mouse and rat CD27, respectively. CD27 is expressed as a disulfide-linked homodimer that carries N-linked and O-linked glycosylation. Proteolytic cleavage of CD27 results in the shedding of a 28-32 kDa fragment of the ECD. CD27 is weakly expressed on naive T cells and NK cells and is up-regulated upon cell activation. It is also up-regulated on activated germinal center B cells, plasma cells, and a subset of memory B cells. CD27 binds to the transmembrane glycoprotein CD27 Ligand/CD70 which is expressed on activated B cells, activated T cells, and dendritic cells.

产品性质

别名	CD27 antigen; Tp55; TNFRSF7; S152; T14; S152. LPFS2; MGC20393; S152CD27L receptor
Uniprot No.	P26842
表达区间及表达系统	Recombinant Human CD27/TNFRSF7 Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Thr21-Ile192.
分子量	Approximately 46.2 kDa. Due to glycosylation, the protein migrates to 60-75 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized Human CD27L Trimer at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 of 0.2µg/ml determined by ELISA.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22 µm 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。

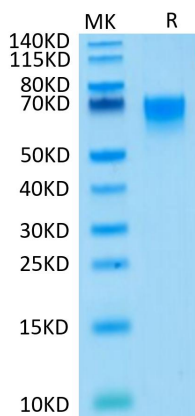
建议第一次使用时分装冻存，避免反复冻融。

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！

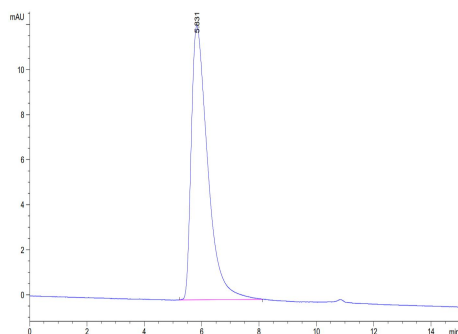
产品数据

Tris-Bis PAGE



Human CD27/TNFRSF7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

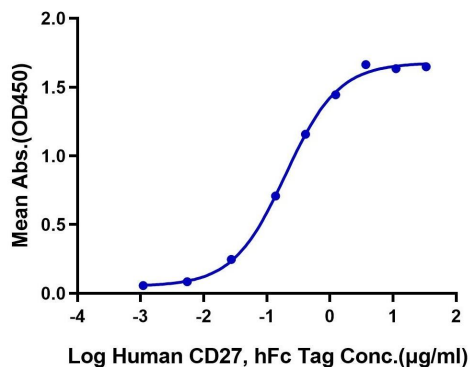
SEC-HPLC



The purity of Human CD27/TNFRSF7 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD27, hFc Tag ELISA
0.2 μ g Human CD27L Trimer, His Tag Per Well



Immobilized Human CD27L Trimer at 2 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human CD27, hFc Tag with the EC50 of 0.2 μ g/ml determined by ELISA.