

Recombinant Human CD27 Ligand/CD70 (hFc Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human CD27 Ligand/CD70 (hFc Tag)	93092ES20	20 µg
	93092ES60	100 µg
	93092ES76	500 µg
	93092ES80	1 mg

产品描述

CD27 ligand (CD27L), also named CD70, is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. Human CD27L cDNA encodes a 193 aa residue protein with a 17 aa N-terminal cytoplasmic domain, a 21 aa transmembrane domain and a 155 aa C-terminal extracellular domain. Human and mouse CD27L share approximated 56% aa sequence identity. CD27L is expected to exist as non-covalent homotrimers. CD70 is constitutively expressed on medullary thymic epithelial cells (mTECs) in human and mouse and on certain unconventional APCs in the mouse intestine. CD70 is also exclusively expressed on DCs, B cells, conventional- and regulatory T cells and NK cells but only after their activation. CD70 expression is highly regulated by antigen through Pattern Recognition Receptors (PRRs), T cell and B cell antigen receptors (8), and further tuned by cytokines such as IL-1 alpha,

产品性质

别名 (Synonyms)	CD70 molecule; CD70; TNFSF7; CD27 Ligand; CD27-L; CD27LG; Ki-24 antigen; TNFSF7G
Uniprot No.	P32970-1
表达区间及表达系统 (Source)	Recombinant Human CD27 Ligand/CD70 Protein is expressed from HEK293 Cells with hFc at the N-terminal. It contains Gln39-Pro193.
分子量 (Molecular Weight)	The protein has a predicted MW of 42.7 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Tris-Bis PAGE result.
外观 (Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE and HPLC.
活性 (Activity)	ELISA Data: Immobilized Human CD27, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC ₅₀ of 37.9ng/ml determined by ELISA.
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (Reconstitution)	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。

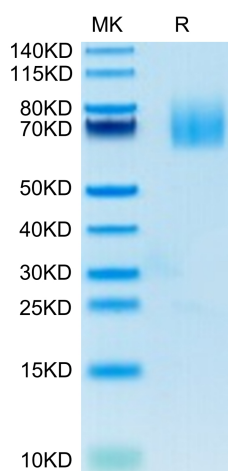
建议第一次使用时分装冻存，避免反复冻融。

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

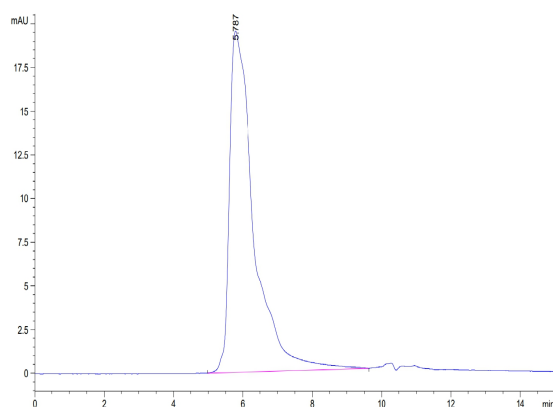
Tris-Bis PAGE



Human CD27 Ligand on Tris-Bis PAGE under reduced condition.

The purity is greater than 95%.

SEC-HPLC

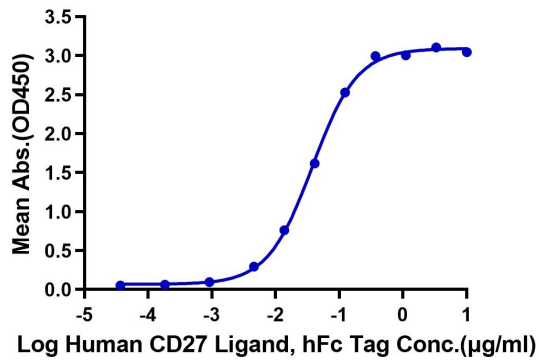


The purity of Human CD27 Ligand is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD27 Ligand, hFc Tag ELISA

0.05 μ g Human CD27, His Tag Per Well



Immobilized Human CD27, His Tag at 0.5 μ g/ml (100 μ l/Well) on the plate.
Dose response curve for Human CD27 Ligand, hFc Tag with the EC₅₀ of 37.9ng/ml determined by ELISA.