

Recombinant Human 4-1BB/TNFRSF9 (hFc-Avi Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human 4-1BB/TNFRSF9 (hFc-Avi Tag)	93571ES25	25 µg
	93571ES60	100 µg
	93571ES76	500 µg
	93571ES80	1 mg

产品描述

4-1BB, also known as CD137 and TNFRSF9, is an approximately 30 kDa transmembrane glycoprotein in the TNF receptor superfamily. 4-1BB functions in the development and activation of multiple immune cells. 4-1BB is expressed as a disulfide-linked homodimer on various populations of activated T cell including CD4+, CD8+, memory CD8+, NKT, and regulatory T cells as well as on myeloid and mast cell progenitors, dendritic cells, mast cells, and bacterially infected osteoblasts. It binds with high affinity to the transmembrane 4-1BB Ligand/TNFSF9 which is expressed on antigen presenting cells and myeloid progenitor cells. This interaction co-stimulates the proliferation, activation, and/or survival of the 4-1BB expressing cell. It can also enhance the activation-induced cell death of repetitively stimulated T cells. 4-1BB can associate with OX40 on activated T cells, forming a complex that responds to either ligand and inhibits Treg and CD8+ T cell proliferation.

产品性质

别名	CD137; TNFRSF9; 4-1BB ligand receptor; 41BB; 4-1BB; CDw137; FLJ43501; ILA; T cell antigen ILA
Uniprot No.	Q07011
表达区间及表达系统	Recombinant Human 4-1BB/TNFRSF9 Protein is expressed from HEK293 Cells with hFc tag and Avi tag at the C-terminal. It contains Leu24-Gln186.
分子量	Approximately 45.7 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized Human 4-1BB Ligand Trimer, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human 4-1BB, hFc Tag with the EC50 of 14.3ng/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 8% 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。

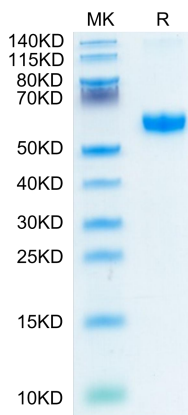
建议第一次使用时分装冻存，避免反复冻融。

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！

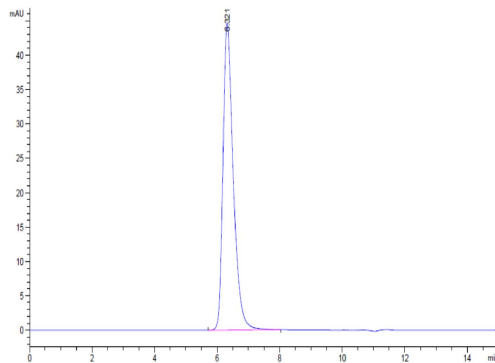
产品数据

Tris-Bis PAGE



Human 4-1BB/TNFRSF9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

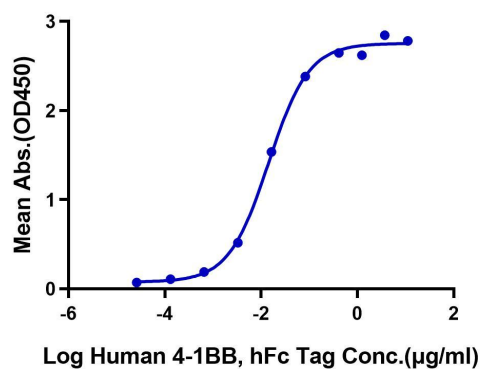


The purity of Human 4-1BB/TNFRSF9 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human 4-1BB, hFc Tag ELISA

0.1 μ g Human 4-1BB Ligand Trimer, His Tag Per Well



Immobilized Human 4-1BB Ligand Trimer, His Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Human 4-1BB, hFc Tag with the EC50 of 14.3ng/ml determined by ELISA.