

Biotinylated Recombinant Human PD-L1/B7-H1 (His-Avi Tag)

产品信息

产品名称	产品编号	规格
Biotinylated Recombinant Human PD-L1/B7-H1 (His-Avi Tag)	93580ES25	25 µg
	93580ES60	100 µg
	93580ES76	500 µg
	93580ES80	1 mg

产品描述

PD-L1, also known as B7-H1, PDL1, is one of the ligands for PD-1 and plays a critical role in the regulation of T cell immunity. The PD-L1 protein is an approximately 65 kDa transmembrane glycoprotein belonging to the B7 family of immune regulatory molecules. Mature human PD-L1 protein consists of a 220 amino acid (aa) extracellular domain (ECD) with two immunoglobulin-like domains, a 21 aa transmembrane segment, and a 31 aa cytoplasmic domain. Within the ECD, human PD-L1 shares 73% and 74% aa sequence identity with mouse and rat B7-H1, respectively. PD-L1 provides a molecular stop signal to the adaptive immune system helping to distinguish between self and foreign antigens. PD-L1 also plays a role in the development of immune tolerance by promoting T cell anergy and enhancing regulatory T cell development.

产品性质

别名	CD274; PDL1; PD-L1; PD-L1B7 homolog 1; B7-H; B7H1; B7-H1; PDCD1L1; PDCD1LG1
Uniprot No.	Q9NZQ7.1
表达区间及表达系统	Recombinant Biotinylated Human PD-L1/B7-H1 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Phe19-Arg238.
分子量	Approximately 28.1 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 Biotinylated Human PD-L1, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-PD-L1 Antibody, hFc Tag with the EC50 of 7.7ng/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。

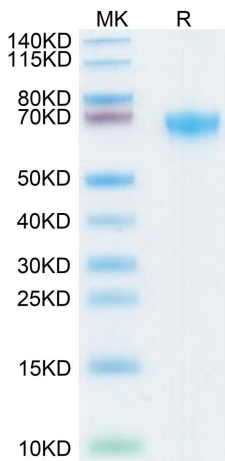
建议第一次使用时分装冻存，避免反复冻融。

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！

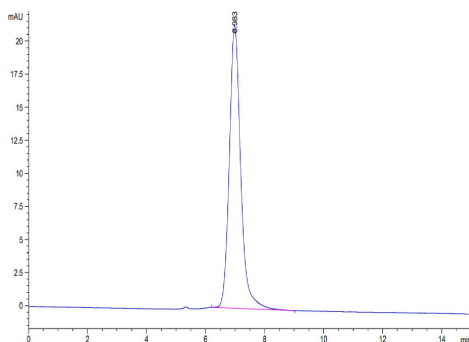
产品数据

Tris-Bis PAGE



Biotinylated Human PD-L1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

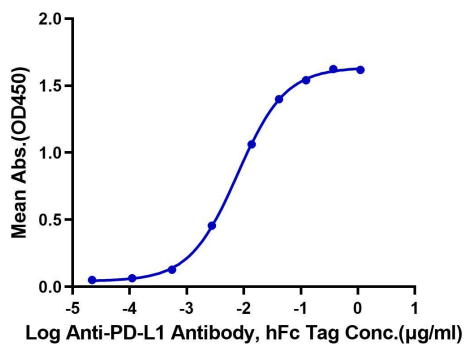
SEC-HPLC



The purity of Biotinylated Human PD-L1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human PD-L1, His Tag ELISA
0.05 μ g Biotinylated Human PD-L1, His Tag Per Well



Immobilized Biotinylated Human PD-L1, His Tag at 0.5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-PD-L1 Antibody, hFc Tag with the EC50 of 7.7ng/ml determined by ELISA.