

Recombinant Human PD-L2/B7-DC (His-Avi Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human PD-L2/B7-DC (His-Avi Tag)	93560ES20	20 µg
	93560ES60	100 µg
	93560ES76	500 µg
	93560ES80	1 mg

产品描述

Programmed Death Ligand 2 (PD-L2), also known as B7-DC and butyrophilin-like protein, is a member of the B7 family of proteins that provide signals for regulating T-cell activation and tolerance. Mature human PD-L2 consists of a 201 amino acid (aa) extracellular domain (ECD) with one V-like and one C-like Ig domain, a 21 aa transmembrane segment, and a 32 aa cytoplasmic domain. Within the ECD, mouse and human PD-L2 share 72% aa sequence identity. PD-L2 is expressed on dendritic cells, subsets of activated CD4⁺ and CD8⁺ T cells, and memory B cells that differentiate into plasma cells. At inflammatory sites such as rheumatoid arthritis, allergen exposure, and virus infection, PD-L2 is up-regulated on synoviocytes, infiltrating macrophages, dendritic cells, and airway epithelial cells.

产品性质

别名 (Synonyms)	PDL2, Butyrophilin B7-DC, CD273, PDCD1 ligand 2, PDCD1L2, PDCD1LG2, B7DC, bA574F11.2, Btdc
Uniprot No.	Q9BQ51
表达区间及表达系统 (Source)	HEK293 Cells-derived Human PD-L2 / B7-DC Protein, Leu20-Thr220 with His tag and Avi tag at the C-terminal
分子量(Molecular Weight)	Approximately 25.3 kDa. Due to glycosylation, the protein migrates to 40-52 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)	SPR Data: Human PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Human PD-L2, His Tag with an affinity constant of 0.296 µM as determined in SPR assay (Biacore T200).
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 1mg/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。

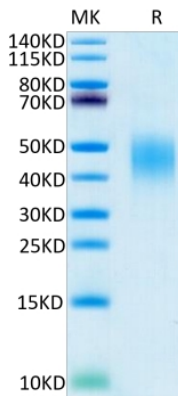
建议第一次使用时分装冻存，避免反复冻融。

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！

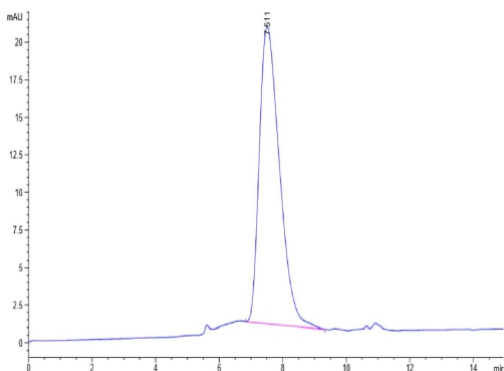
产品数据

Tris-Bis PAGE



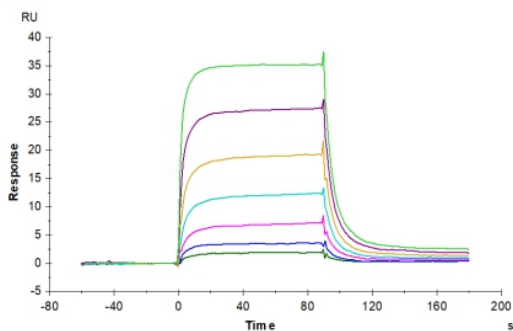
Human PD-L2 on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

SEC-HPLC



The purity of Human PD-L2 is greater than 95% as determined by SEC-HPLC.

SPR Data



Human PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Human PD-L2, His Tag with an affinity constant of 0.296 μ M as determined in SPR assay (Biacore T200).