

## Biotinylated Recombinant Human PD-1/PDCD1 Protein, His-Avi Tag

### 产品信息

产品名称	产品编号	规格
Biotinylated Recombinant Human PD-1/PDCD1 Protein, His-Avi Tag	93579ES25	25 µg
	93579ES60	100 µg
	93579ES76	500 µg
	93579ES80	1 mg

### 产品描述

PD-1 is a receptor expressed on T cells responsible for modulating T cell activation. PD-1 is classified as an immune checkpoint inhibitory receptor. PD1 is expressed on activated T cells, B cells, monocytes, and dendritic cells while PD-L1 expression is constitutive on the same cells and also on nonhematopoietic cells such as lung endothelial cells and hepatocytes. Ligation of PD-L1 with PD-1 induces co-inhibitory signals on T cells promoting their apoptosis, anergy, and functional exhaustion.

### 产品性质

别名	PDCD1; PD1; CD279; SLEB2; PD-1; Programmed Death-1 receptor
Uniprot No.	Q15116.1
表达区间及表达系统	Recombinant Biotinylated Human PD-1/PDCD1 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Leu25-Gln167.
分子量	Approximately 18.9 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	<b>ELISA Data:</b> Immobilized Biotinylated Human PD-1, His Tag at 0.5 µg/ml (100 µl/Well) on the plate. Dose response curve for Anti-PD-1 Antibody, hFc Tag with the EC50 of 14.0ng/ml determined by ELISA. <b>SPR Data:</b> Human PD-L1, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human PD-1, His-Avi Tag with an affinity constant of 2.356 µM as determined in SPR assay (Biacore T200).
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。

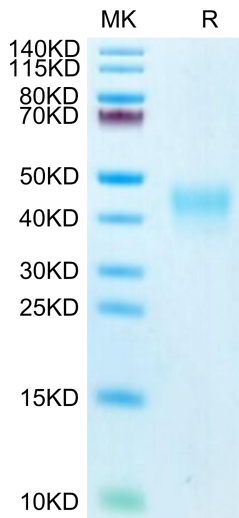
建议第一次使用时分装冻存，避免反复冻融。

### 注意事项

1. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
2. 本产品仅作科研用途！

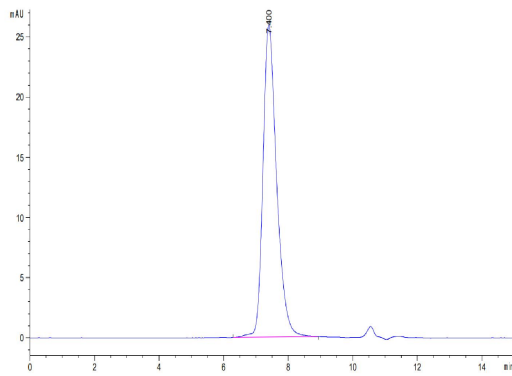
## 产品数据

### Tris-Bis PAGE



Biotinylated Human PD-1 on Tris-Bis PAGE under reduced. The purity is greater than 95%.

### SEC-HPLC

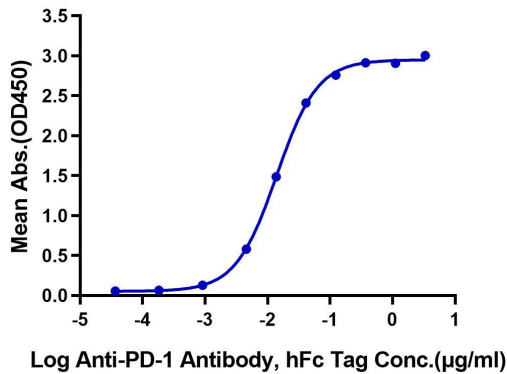


The purity of Biotinylated Human PD-1 is greater than 95% as determined by SEC-HPLC.

## ELISA Data

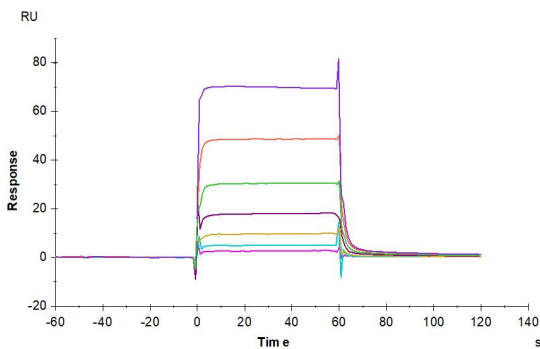
### Biotinylated Human PD-1, His Tag ELISA

0.05 $\mu$ g Biotinylated Human PD-1, His Tag Per Well



Immobilized Biotinylated Human PD-1, His Tag at 0.5 $\mu$ g/ml (100 $\mu$ l/Well) on the plate. Dose response curve for Anti-PD-1 Antibody, hFc Tag with the EC50 of 14.0ng/ml determined by ELISA.

## SPR Data



Human PD-L1, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human PD-1, His-Avi Tag with an affinity constant of 2.356  $\mu$ M as determined in SPR assay (Biacore T200).