

## Biotinylated Recombinant Human CD30/TNFRSF8 (His-Avi Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human Biotinylated CD30/TNFRSF8 (His-Avi Tag)	93113ES25	25 µg
	93113ES60	100 µg
	93113ES76	500 µg
	93113ES80	1 mg

### 产品描述

CD30, also known as Ki-1 antigen and TNFRSF8, is a 120 kDa type I transmembrane glycoprotein belonging to the TNF receptor superfamily. Mature human CD30 consists of a 361 aa extracellular domain (ECD) with six cysteine-rich repeats, a 28 aa transmembrane segment, and a 188 aa cytoplasmic domain. In contrast, mouse and rat CD30 lack 90 aa of the ECD and contain only three cysteine-rich repeats. Within common regions of the ECD, human CD30 shares 53% and 49% aa sequence identity with mouse and rat CD30, respectively. Alternate splicing of human CD30 generates an isoform that includes only the Cterminal 132 aa of the cytoplasmic domain. CD30 is normally expressed on antigen-stimulated Th cells and B cells. However, it is upregulated in Hodgkin's disease (on Reed-Sternberg cells), other lymphomas, chronic inflammation, and autoimmunity. CD30 binds to CD30 Ligand/TNFSF8 which is expressed on activated Th cells, monocytes, granulocytes and medullary thymic epithelial cells.

### 产品性质

别名	CD30; CD30KI-1; CD30L receptor; TNFRSF8; D1S166EKi-1; CD30KI-1
Uniprot No.	P28908.1
表达区间及表达系统	Recombinant Biotinylated Human CD30/TNFRSF8 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Phe19-Lys379.
分子量	Approximately 41.3 kDa. Due to glycosylation, the protein migrates to 70-100 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	<b>ELISA Data:</b> Immobilized Anti-CD30 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC50 of 49ng/ml determined by ELISA. <b>ELISA Data:</b> Immobilized Human CD30 Ligand, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC50 of 27.1ng/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。

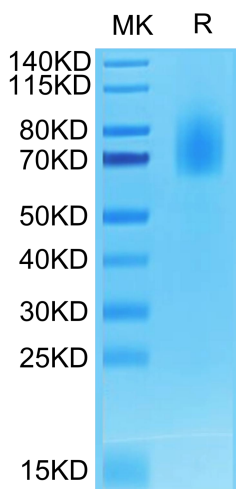
建议第一次使用时分装冻存，避免反复冻融。

## 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！

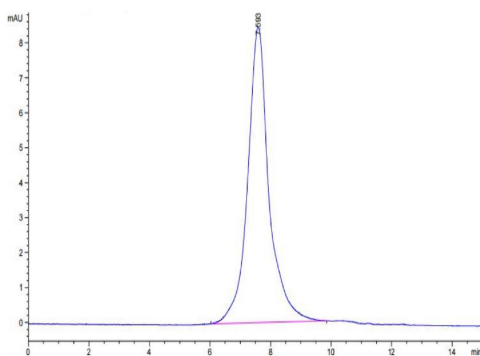
## 产品数据

### Tris-Bis PAGE



Biotinylated CD30 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

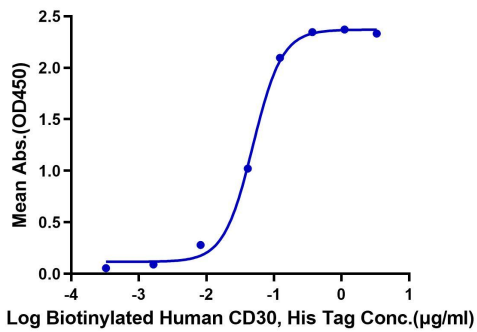


The purity of Biotinylated CD30 is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human CD30, His Tag ELISA

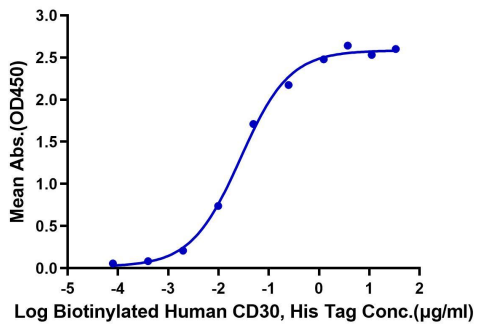
0.05 $\mu$ g Anti-CD30 Antibody, hFc Tag Per Well



Immobilized Anti-CD30 Antibody, hFc Tag at 0.5 $\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC<sub>50</sub> of 49ng/ml determined by ELISA.

### Biotinylated Human CD30, His Tag ELISA

0.5 $\mu$ g Human CD30 Ligand, His Tag Per Well



Immobilized Human CD30 Ligand, His Tag at 5 $\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC<sub>50</sub> of 27.1ng/ml determined by ELISA.