

## Recombinant Human CD73/NT5E (hFc Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human CD73/NT5E (hFc Tag)	94150ES25	25 µg
	94150ES60	100 µg
	94150ES76	500 µg
	94150ES80	1 mg

### 产品描述

CD73, an ecto-5'-Nucleotidase, is an ectoenzyme expressed by most cell types. The 5'-Nucleotidase activity of CD73 converts extracellular nucleoside-5'-monophosphates to nucleosides, with AMP as the preferred substrate. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. These functions include the adhesion of B-cells to follicular dendritic cells and T-cell signaling. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'-Nucleotidase activity. The native enzyme is a homodimer bound to the cell membrane through a glycosyl phosphatidylinositol (GPI) anchor.

### 产品性质

别名	CD73; NT5E; NTE; 5' nucleotidase (CD73); 5'-NT; 5-NT; E5NT; EC 3.1.3.5; eN; eNT; NT; NT55'-nucleotidase; NT5; NTE; CALJA
Uniprot No.	P2158.1
表达区间及表达系统	Recombinant Human CD73/NT5E Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Trp27-Lys547.
分子量	Approximately 84.5 kDa. Due to glycosylation, the protein migrates to 85-100 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	<b>ELISA Data:</b> Immobilized Human CD73, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CD73 Antibody, hFc Tag with the EC50 of 19.7ng/ml determined by ELISA.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in 20mM Tris, 120mM NaCl (pH 7.5). 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。

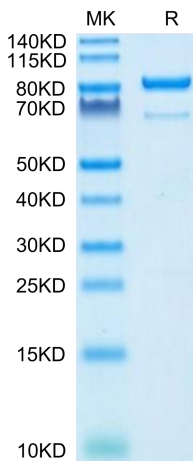
建议第一次使用时分装冻存，避免反复冻融。

## 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！

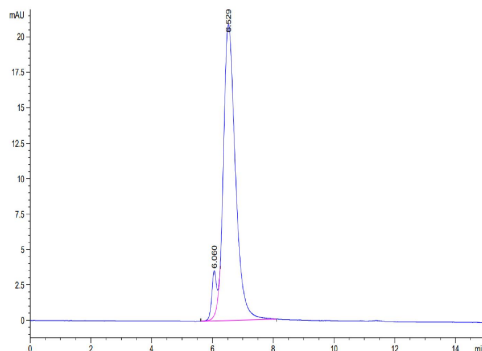
## 产品数据

### Tris-Bis PAGE



Human CD73 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

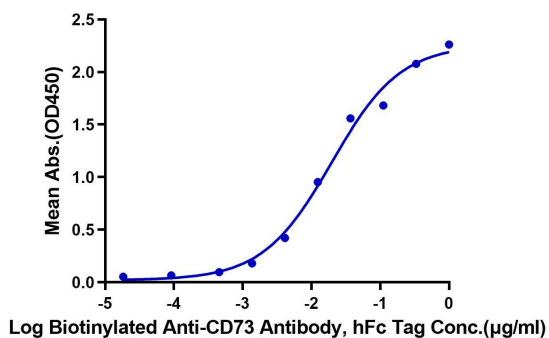
### SEC-HPLC



The purity of Human CD73 is greater than 95% as determined by SEC-HPLC.

### ELISA Data

**Human CD73, hFc Tag ELISA**  
0.1µg Human CD73, hFc Tag Per Well



Immobilized Human CD73, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CD73 Antibody, hFc Tag with the EC50 of 19.7ng/ml determined by ELISA.