

## Recombinant Human CD74/DHLAG (His Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human CD74/DHLAG (His Tag)	93769ES25	25 µg
	93769ES60	100 µg
	93769ES76	500 µg
	93769ES80	1 mg

### 产品描述

CD74, also known as Invariant chain (Ii) and p33, is a type 2 transmembrane glycoprotein that plays an important role in adaptive immunity, inflammation, and cancer. CD74 functions as a chaperone for MHC class II molecules on antigen presenting cells and undergoes progressive proteolysis during class II trafficking and antigenic peptide loading. Full length CD74 assembles into trimers which then associate with class II molecules in nonameric complexes on the cell surface. CD74 also associates with CD44 and binds with high affinity to the cytokine MIF, leading to inflammatory leukocyte responses, protection from tissue fibrosis, B cell proliferative and survival signaling, and the up-regulation of angiogenic factors in endometrial stromal cells. MIF binding notably induces the proteolytic cleavage of the CD74 intracellular domain which then promotes B cell differentiation. CD74 is up-regulated on non-immune cells at sites of inflammation including amyloid beta plaques and atherosclerotic plaques. It is also up-regulated in a variety of cancers and enhances tumorigenicity, tumor angiogenesis, and metastasis.

### 产品性质

别名	CD74; Ii; DHLAG; HLADG; Ia-GAMMA; p33; CLIP; INVG34; Ia-GAMMA ; II
Accession	NP_004346.1
表达区间及表达系统	Recombinant Human CD74/DHLAG Protein is expressed from HEK293 Cells with His tag at the N-terminal. It contains Gln73-Met232.
分子量	Approximately 19.1 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE.
活性	<b>ELISA Data:</b> Immobilized Human CD74 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CD74 Antibody, hFc Tag with the EC50 of 10.6ng/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 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。

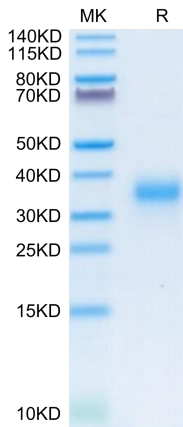
建议第一次使用时分装冻存，避免反复冻融。

## 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！

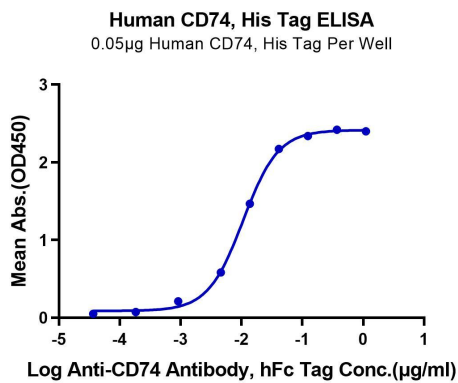
## 产品数据

### Tris-Bis PAGE



Human CD74 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data



Immobilized Human CD74 at 0.5 $\mu$ g/ml (100 $\mu$ l/Well) on the plate. Dose response curve for Anti-CD74 Antibody, hFc Tag with the EC50 of 10.6ng/ml determined by ELISA.