

## Biotinylated Human CEACAM-5/CD66e Protein, His-Avi Tag

### 产品信息

产品名称	产品编号	规格
Biotinylated Human CEACAM-5/CD66e Protein, His-Avi Tag	93173ES60	100 µg
	93173ES76	500 µg
	93173ES80	1 mg

### 产品描述

CEACAM-5, also known as CEA and CD66e, belongs to the large family of CEACAM and pregnancy specific glycoproteins. CEACAM molecules are either transmembrane or GPI-linked, and are differentially expressed between species. Orthologs of human CEACAM-5 have not been described in other species. CEACAM-5 is synthesized as a 180 kDa, variably glycosylated molecule of which approximately 60% is carbohydrate. CEACAM-5 functions as a calcium-independent adhesion molecule through homophilic and heterophilic interactions with CEACAM-1. CEACAM-5 is up-regulated in a wide variety of human tumors and is a commonly used cancer marker. It promotes tumor cell migration, invasion, adhesion, and metastasis. It also contributes to tumor formation by maintaining cellular proliferation in the presence of differentiation stimuli, and by blocking apoptosis following loss of ECM anchorage (anoikis).

### 产品性质

<b>Synonyms</b>	CEACAM-5; CD66e; CEA; Meconium antigen 100; Carcinoembryonic; CEACD66e; DKFZp781M2392
<b>Uniprot No.</b>	Q8N4D0
<b>Source</b>	Recombinant Biotinylated Human CEACAM-5/CD66e Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Lys35-Ala685.
<b>Molecular Weight</b>	The protein has a predicted MW of 74.2 kDa. Due to glycosylation, the protein migrates to 115-145 kDa based on Tris-Bis PAGE result.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	> 95% as determined by SDS-PAGE and HPLC
<b>Endotoxin</b>	< 1.0 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

### 运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

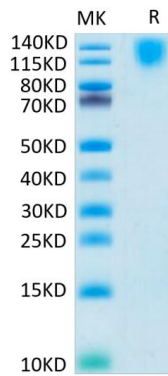
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

### 注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

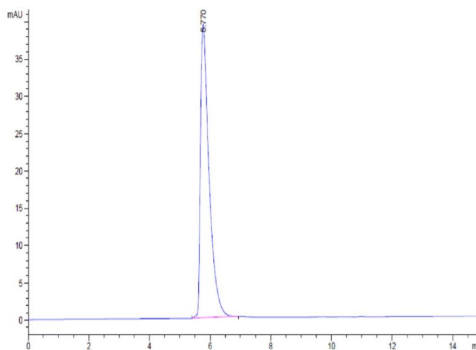
## 产品数据

### Tris-Bis PAGE



Biotinylated Human CEACAM-5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

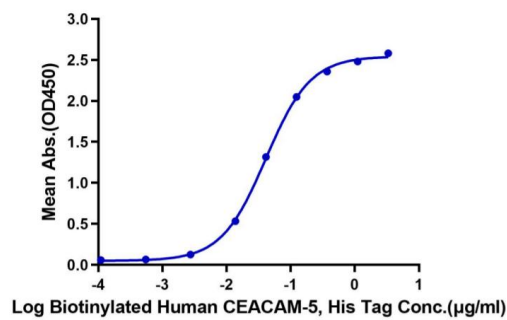
### SEC-HPLC



The purity of Biotinylated Human CEACAM-5 is greater than 95% as determined by SEC-HPLC.

### ELISA Data

**Biotinylated Human CEACAM-5, His Tag ELISA**  
0.05 $\mu$ g Anti-CEACAM-5 Antibody, hFc Tag Per Well



Immobilized Anti-CEACAM-5 Antibody, hFc Tag at 0.5 $\mu$ g/mL (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human CEACAM-5, His Tag with the  $EC_{50}$  of 41.1ng/mL determined by ELISA.