

# Biotinylated Human CEACAM-6/CD66c Protein

Cat. No. CAM-HM406B

## Description

<b>Source</b>	Recombinant Biotinylated Human CEACAM-6/CD66c Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Lys35-Gly320.
<b>Accession</b>	P40199
<b>Molecular Weight</b>	The protein has a predicted MW of 34.1 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

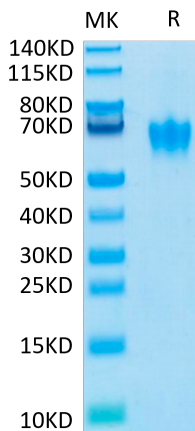
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6) belongs to the human carcino-embryonic antigen (CEA) family. Numerous lines of studies have indicated that altered expression of CEACAM6 may have a role in carcinogenesis and development.

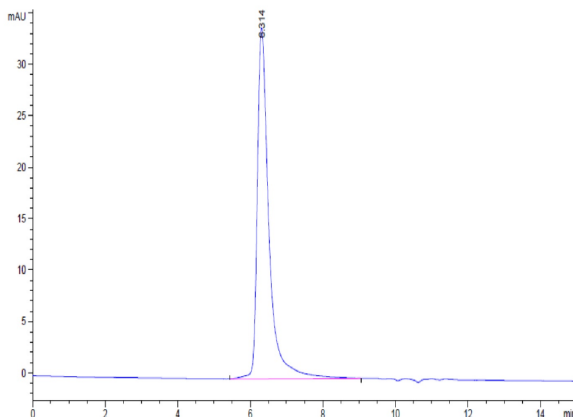
## Assay Data

### Bis-Tris PAGE



Biotinylated Human CEACAM-6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

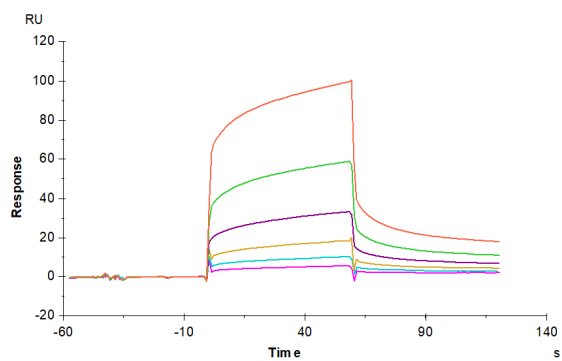
### SEC-HPLC



The purity of Biotinylated Human CEACAM-6 is greater than 95% as determined by SEC-HPLC.

Assay Data

SPR Data



Human CEACAM-8, His Tag immobilized on CM5 Chip can bind Biotinylated Human CEACAM6, His-Avi Tag with an affinity constant of 3.81  $\mu$ M as determined in SPR assay (Biacore T200).