

Biotinylated Human CEACAM-6/CD66c Protein

Cat. No. CAM-HM406B

| Description | |
|------------------|---|
| Source | 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. |
| Accession | P40199 |
| Molecular Weight | 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. |
| Endotoxin | Less than 1EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

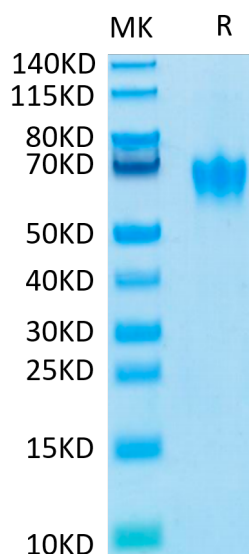
| Formulation and Storage | |
|-------------------------|---|
| Formulation | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -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

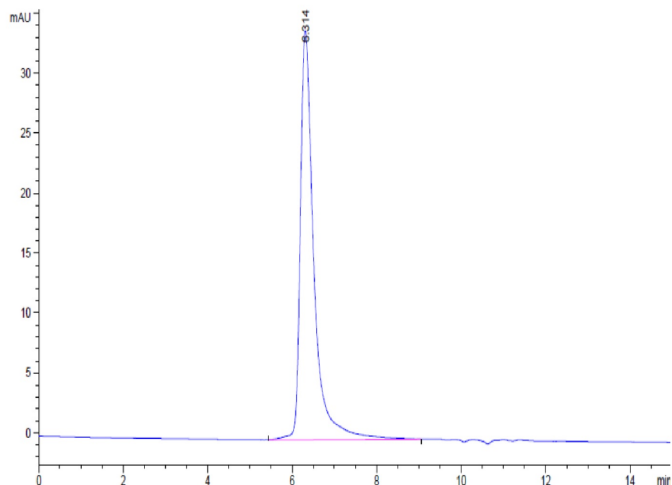
Bis-Tris PAGE



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

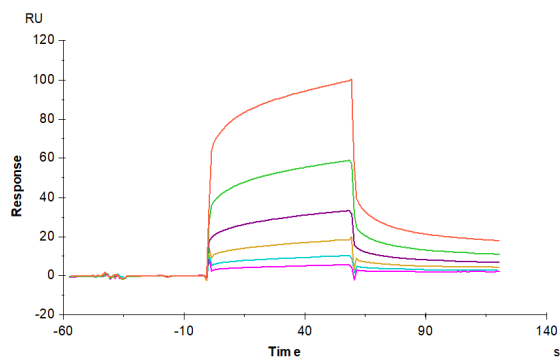
SEC-HPLC

Assay Data



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

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 μM as determined in SPR assay (Biacore T200).