

# Biotinylated Recombinant Human CEACAM8/CD66b Protein

Catalog No.: RP00512B **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 1088    | P31997     |

### Tags

C-His&Avi

### Synonyms

CD66b; CEACAM8; CGM6; CD67; NCA-95

## Product Information

| Source       | Purification                    |
|--------------|---------------------------------|
| HEK293 cells | > 95% by SDS-PAGE > 95% by HPLC |

| Calculated MW | Observed MW |
|---------------|-------------|
| 34.3 kDa      | 60-70 kDa   |

### Endotoxin

< 1 EU/μg of the protein by LAL method

### 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 vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Eosinophils and their products are likely important in the pathophysiology of allergic diseases, such as bronchial asthma, and in host immunity to parasitic organisms. CD66b (CEACAM8, CGM6, NCA-95) is a single chain, GPI-anchored, highly glycosylated protein belonging to the carcinoembryonic Ag supergene family. CD66b is an activation marker for human granulocytes.

## Basic Information

### Description

Biotinylated Recombinant Human CEACAM8/CD66b Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln35-Ser319) of Human CEACAM8/CD66b (Accession #P31997) fused with a C-His&Avi tag at the C-terminus.

### Bio-Activity

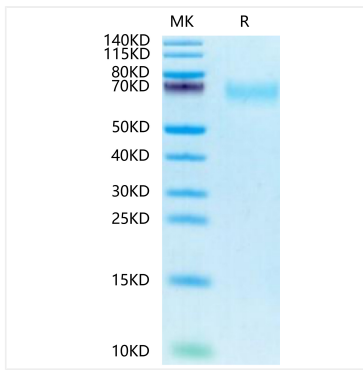
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

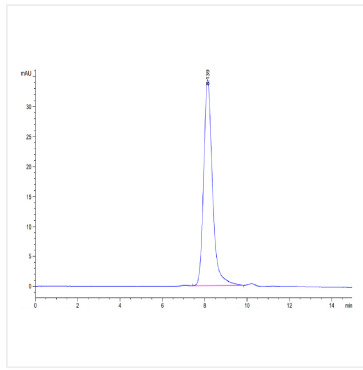
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

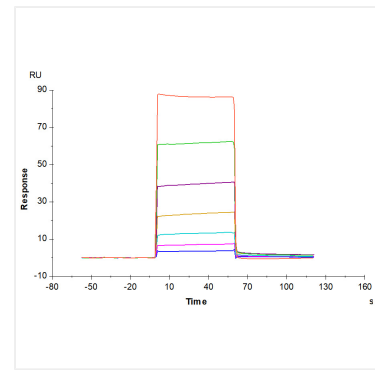
## Validation Data



Biotinylated Human CEACAM-8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human CEACAM-8 is greater than 95% as determined by SEC-HPLC.



Biotinylated Human CEACAM-8, His Tag immobilized on CM5 Chip can bind Human CEACAM-6, His Tag with an affinity constant of  $6.13 \mu\text{M}$  as determined in SPR assay (Biacore T200).