

For Research Use Only

# Recombinant Human CEACAM-8 protein (Myc Tag, His Tag)



Catalog Number: Eg32133

## Basic Information

**Species:**  
Human

**Purity:**  
>95 %, SDS-PAGE

**Tag:**  
Myc Tag, His Tag

**EC50:**  
75-300 ng/mL

## Technical Specifications

**Purity:**  
>95 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human CEACAM-8 protein Gln35-Ser319 (Accession# P31997) with a Myc tag and a His tag at the C-terminus.

**GeneID:**  
1088

**Accession:**  
P31997

**Predicted Molecular Mass:**  
36.4 kDa

**SDS-PAGE:**  
55-70 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Immobilized Human CEACAM-8 (Myc tag, His tag) at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Biotinylated Human CEACAM-6 (Myc tag, His tag) with a linear range of 75-300 ng/mL.

## Storage and Shipping

**Storage:**  
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

A glycosylphosphatidyl-inositol-(GPI)-anchored glycoprotein, carcinoembryonic antigen (CEA)-related cell adhesion molecule 8 (CEACAM8), also known as CD66b, NCA-95 and CD67, was identified in human neutrophils. It is solely expressed by granulocytes, of which 95% are polymorphonuclear neutrophils (PMN). CEACAM8 is cell-adhesion proteins on neutrophils that belong to the human carcinoembryonic antigen (CEA) family. CEA family members are believed to function as intercellular adhesion molecules in vitro. CEACAM8 has been shown to adhere to the closely related molecule CEACAM6 (NCA-50/90 and CD66c), suggesting a role in the interaction between granulocytes or between granulocytes and epithelial cells expressing CEACAM6 in vivo.

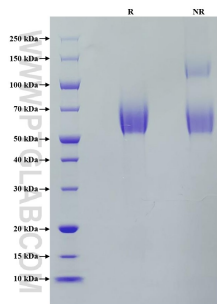
## References

- 1.F Buchegger. et al. (1984). Int J Cancer. 33(5):643-649.
- 2.Linshu Zhao. et al. (2004). Br J Haematol. 125(5):666-673.
- 3.M Kuroki. et al. (2001). J Leukoc Biol. 70(4):543-550.
- 4.S Oikawa. et al. (1991). J Biol Chem. 266(13):7995-8001.
- 5.T Yamanka. et al. (1996). Biochem Biophys Res Commun. 219(3):842-847.

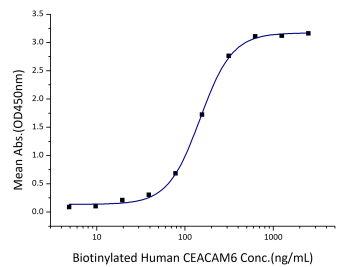
## Synonyms

CD66b, CEACAM8, Carcinoembryonic antigen CGM6, Carcinoembryonic antigen-related cell adhesion molecule 8, CD 66b

Selected Validation Data



Purity of Recombinant Human CEACAM-8 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



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