

For Research Use Only

Recombinant Human CEACAM8 protein (Myc Tag, His Tag)



Catalog Number: Eg32133

Basic Information

ED50:
75-300 ng/mL

GenelD:
1088

Species:
Human

Accession:
P31997

Purity:
>95 %, SDS-PAGE

Technical Specifications

Purity:
>95 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human CEACAM8 protein Gln35-Ser319 (Accession# P31997) with a Myc tag and a His tag at the C-terminus.

Predicted Molecular Mass:
33.9 kDa

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

Formulation:
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Immobilized Human CEACAM8 (Myc tag, His tag) at 2 μ g/mL (100 μ L/well) can bind Biotinylated Human CEACAM6 (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.

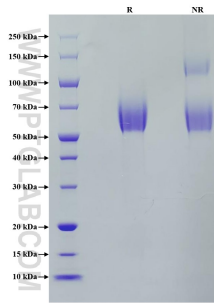
References

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- 4.S Oikawa. et al. (1991). J Biol Chem. 266(13):7995-8001.
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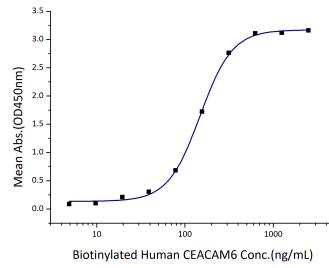
Synonyms

CD66b, CD67, CEACAM8, CGM6, NCA-95

Selected Validation Data



Purity of Recombinant Human CEACAM8 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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For technical support and original validation data for this product please contact

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