

For Research Use Only

Recombinant Human CEACAM6 protein (Myc Tag, His Tag)



Catalog Number: Eg0056

Basic Information

ED50:
12-46 ng/mL

GenelD:
4680

Species:
Human

Accession:
P40199

Purity:
>95 %, SDS-PAGE

Technical Specifications

Purity:
>95 %, SDS-PAGE

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

Source:
HEK293-derived Human CEACAM6 protein Lys35 -Gly320 (Accession# P40199) with a Myc tag and a His tag at the C-terminus.

Predicted Molecular Mass:
33.8 kDa

SDS-PAGE:
42-65 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 CEACAM6 (Myc tag, His tag) at 2 μ g/mL (100 μ L/well) can bind Human CEACAM8 (hFc tag) with a linear range of 12-46 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

Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6), belonging to the immunoglobulin superfamily, is cell-adhesion protein on neutrophils. CEACAM6 is expressed in neutrophils and numerous tumor cell lines. CEACAM6 mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8. It plays a role in neutrophil adhesion to cytokine-activated endothelial cells and plays a role as an oncogene by promoting tumor progression; positively regulates cell migration, cell adhesion to endothelial cells and cell invasion. CEACAM6 is also involved in the metastatic cascade process by inducing gain resistance to anoikis of pancreatic adenocarcinoma and colorectal carcinoma cells.

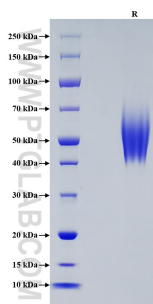
References

- 1.Kuroki M, et al. (2001). Journal of leukocyte biology. 70(4): 543-50
- 2.Kuijpers TW, et al. (1992). J Cell Biol. 118(2):457-66
- 3.Blumenthal RD, et al. (2005). Cancer research. 65(19):8809-8817
- 4.Ordoñez C, et al. (2000). Cancer Res. 60(13):3419-24
- 5.Duxbury MS, et al. (2004). Oncogene. 23(2):465-73

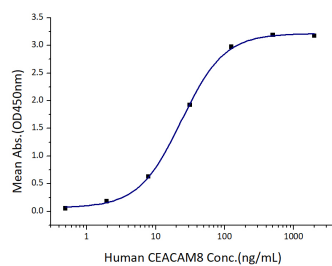
Synonyms

CD66c, CEACAM6, CEAL, NCA, Normal cross reacting antigen

Selected Validation Data



Purity of Recombinant Human CEACAM6 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) 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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