



Synonym

CEACAM-5,CD66e,CEA,Meconium antigen 100

Source

Human CEACAM-5 (499-685) Protein, His Tag(CE5-H52H8) is expressed from human 293 cells (HEK293). It contains AA Glu 499 - Ala 685 (Accession # [P06731-1](#)).

Predicted N-terminus: Glu 499

Molecular Characterization

CEACAM-5(Glu 499 - Ala 685)
P06731-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 21.9 kDa. The protein migrates as 40-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

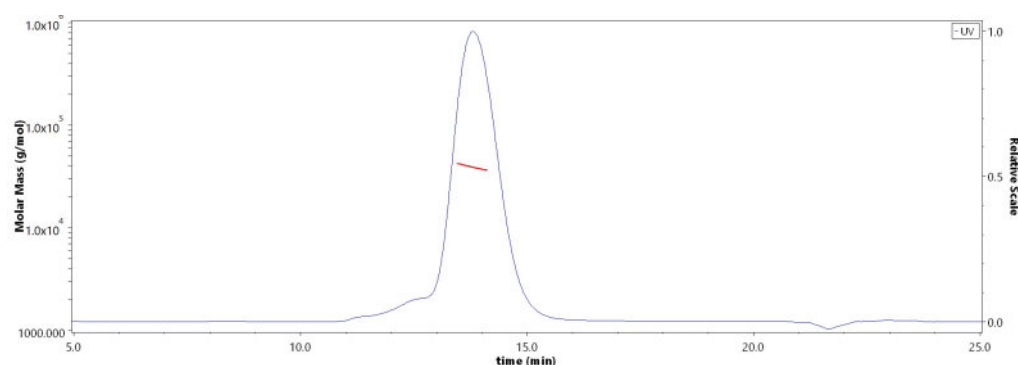
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SEC-MALS



The purity of Human CEACAM-5 (499-685) Protein, His Tag (Cat. No. CE5-H52H8) is more than 85% and the molecular weight of this protein is around 33-45 kDa verified by SEC-MALS.

[Report](#)

Bioactivity-ELISA

CEACAM-5 ELISA

Immobilized Human CEACAM-5 (499-685) Protein, His Tag (Cat. No. CE5-H52H8) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human CEACAM5 Antibody, Human IgG1 with a linear range of 0.076-1 ng/mL (QC tested).

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Background

Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) is also Carcinoembryonic antigen (CEA), Meconium antigen 100, CD antigen CD66e, CEACAM5 belongs to the immunoglobulin superfamily and CEA family. CEACAM5 contains seven Ig-like (immunoglobulin-like) domains. CEACAM5 is homodimer protein which binding of E.coli Dr adhesins leads to dissociation of the homodimer. CEACAM5 is cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. CEACAM5 is receptor for E.coli Dr adhesins.

Clinical and Translational Updates

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