

Recombinant Human CEACAM3/CD66d Protein

Catalog No.: RP00131 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1084	P40198

Tags

C-His

Synonyms

CEACAM3;CD66D;CEA;CGM1;W264;W282

Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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.

Background

The protein encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described.

Basic Information

Description

Recombinant Human CEACAM3/CD66d Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Gly155) of human CEACAM3/CD66d (Accession #NP_001806.2) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM3 at 1 μg/mL (100 μL/well) can bind CEACAM3 Mouse mAb with a linear range of 0.1-2.7 ng/mL.

Storage

Store the lyophilized protein at -20 °C to -80 °C for long term. 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.

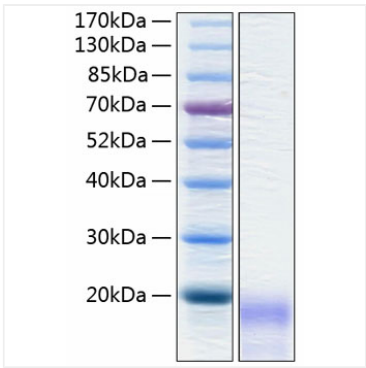
Contact

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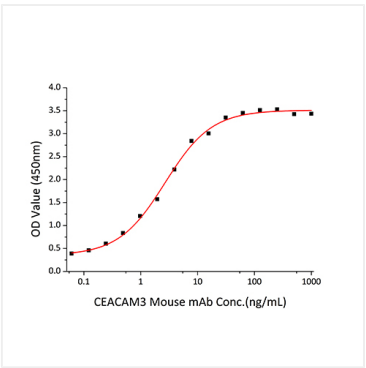
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Validation Data



Recombinant Human CEACAM3/CD66d Protein was determined by SDS-PAGE with Coomassie Blue, showing bands approximately 18-23 kDa.



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