

RP00131

Leader in Biomolecular Solutions for Life Science



Recombinant Human CEACAM3/CD66d Protein

Catalog No.: RP00131

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	1084	P40198

Tags

C-His

Synonyms

CEACAM3;CD66D;CEA;CGM1;W264;W282

Product Information

Source	Purification
	> 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 6×His tag at the C-terminus.

Bio-Activity

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

Storage

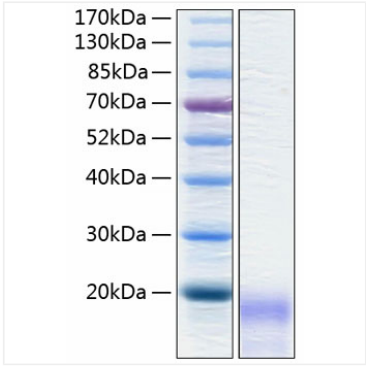
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

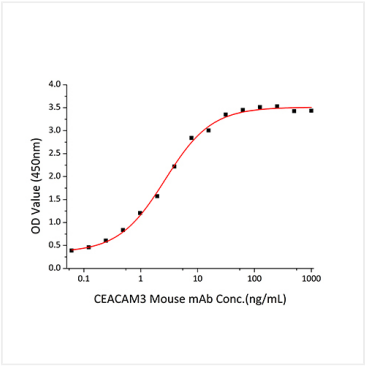


www.abclonal.com

Validation Data



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



Immobilized Human CEACAM3 at 1µg/mL (100 µL/well) can bind CEACAM3 Mouse mAb with a linear range of 0.1-2.7 ng/mL.