

Recombinant Human CEACAM3/CD66d Protein

Catalog No.: RP00131 **Recombinant**

Sequence Information

Species Human **Gene ID** 1084 **Swiss Prot** P40198

Tags

C-His

Synonyms

CEACAM3;CD66D;CEA;CGM1;W264;W28
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Product Information

Source HEK293 cells **Purification** $\geq 90\%$ as determined by SDS-PAGE.

Calculated MW 17.62 kDa **Observed MW** Approximately 20 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μ m 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 freeze/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 μ g/mL (100 μ L/well) can bind CEACAM3 Mouse mAb with a linear range of 0.1-2.7 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

Operational Notes

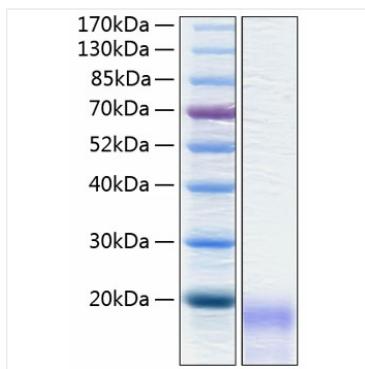
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

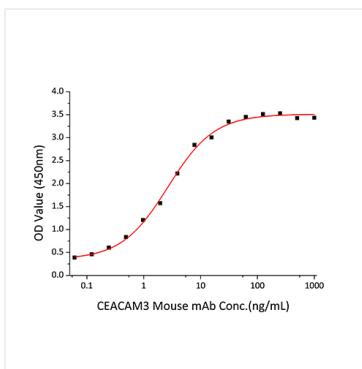
	400-999-6126
	cn.market@abclonal.com.cn



Validation Data



Recombinant Human CEACAM3/CD66d
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.



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