Recombinant Human CEACAM3/CD66d Protein

Catalog No.: RP00131

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Sequence Information

Species
Human

Gene ID
1084

Swiss Prot
P40198

Tags
C-His

Synonyms
CEACAM3,CD66D,CEA,CGM1, W264,W282

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
17.62 kDa

Observed MW
Approximately 20 kDa

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 stablizer (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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

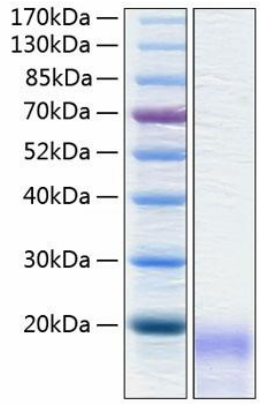
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

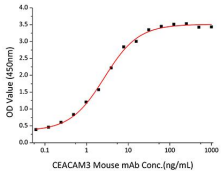
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Validation Data



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



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