

RP01157

Leader in Biomolecular Solutions for Life Science



Recombinant Human CEACAM5/CEA/CD66e Protein

Catalog No.: RP01157 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	1048	P06731

Tags

C-His

Synonyms

CEACAM5;CD66e;CEA

Product Information

Source

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.

Purification

≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

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

Background

Basic Information

Description

Recombinant Human CEACAM5/CEA/CD66e Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys35-Ala685) of human CEACAM-5/CD66e (Accession #NP_004354.2) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CEACAM5 at 5 μg/mL (100 μL/well) can bind Recombinant Human CEACAM8 with a linear range of 0.5-3 μg/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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

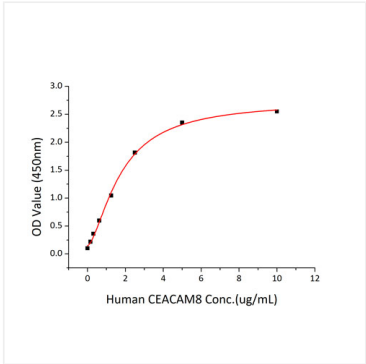
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Contact

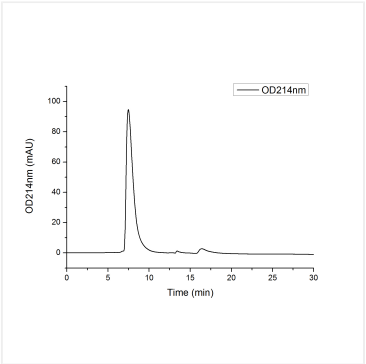


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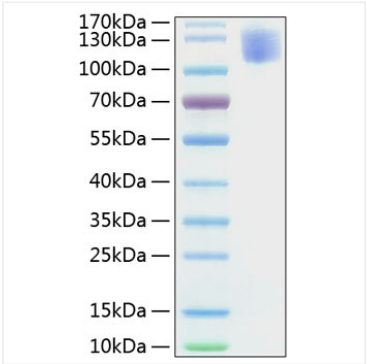
Validation Data



Immobilized Recombinant Human CEACAM5 at 5 $\mu\text{g/mL}$ (100 μL /well) can bind Recombinant Human CEACAM8 with a linear range of 0.5-3 $\mu\text{g/mL}$.



The purity of human CEACAM-5/CD66e Protein (Cat.RP01157) was greater than 95% as determined by SEC-HPLC.



Recombinant Human CEACAM5/CEA/CD66e Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.