

Datasheet for ABIN7274331
CEACAM1 Protein (His tag)

3 Images

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Overview

Quantity:	100 µg
Target:	CEACAM1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM1 protein is labelled with His tag.

Product Details

Sequence:	Gln35-Gly428
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CEACAM-1 at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CEACAM-1 Antibody, hFc Tag with the EC50 of 7.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CEACAM1
Alternative Name:	CEACAM-1 (CEACAM1 Products)
Background:	BGP, BGP1, BGPI, CEACAM1, CD66a, Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM-1) is the major antigen of the CD66 cluster of granulocyte differentiation antigens.

Target Details

The present study aimed to assess the biological function of CEACAM-1 on the growth of human colorectal cancer (CRC) cells in vitro.

Molecular Weight: 44.4 kDa. Due to glycosylation, the protein migrates to 68-115 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

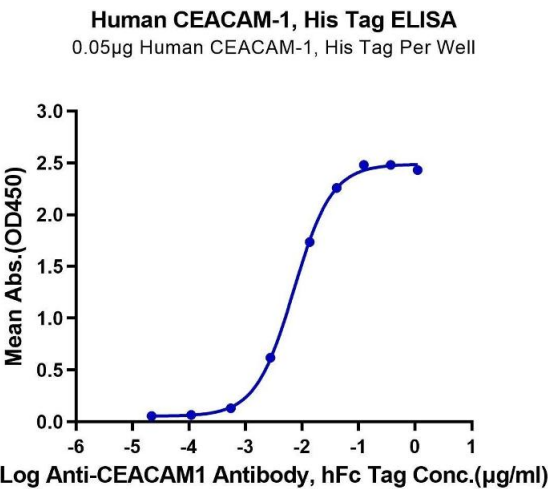
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

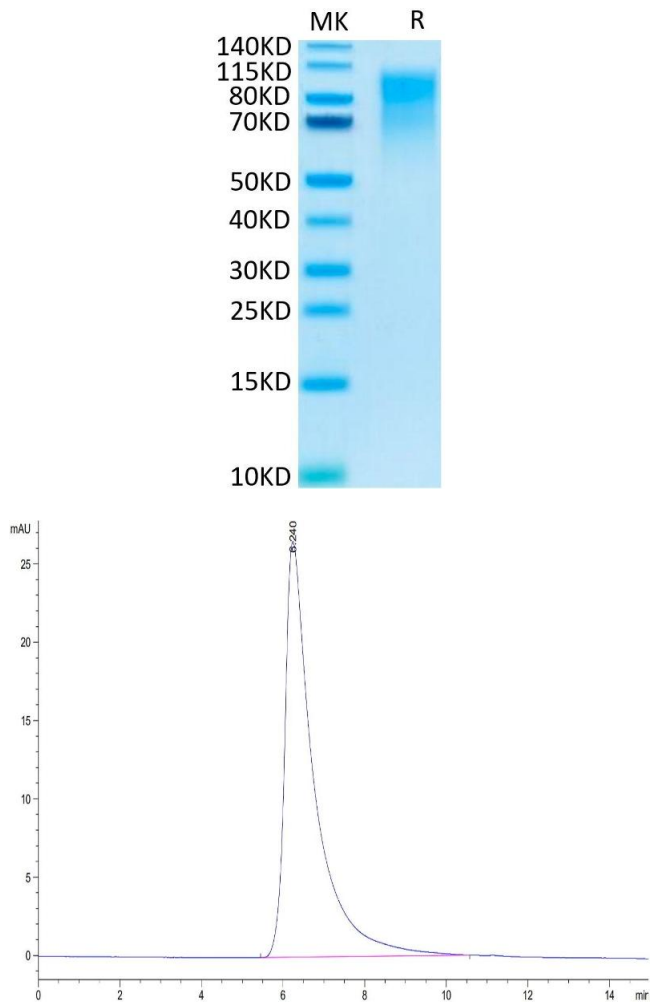
Expiry Date: 12 months

Images



ELISA

Image 1. Immobilized Human CEACAM-1 at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-CEACAM-1 Antibody, hFc Tag with the EC50 of 7.1 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human CEACAM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human CEACAM-1 is greater than 95 % as determined by SEC-HPLC.