

Mouse CEACAM-1/CD66a Protein

Cat. No. CEA-MM101

Description

Source	Recombinant Mouse CEACAM-1/CD66a Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu35-Gly428.
Accession	P31809-1
Molecular Weight	The protein has a predicted MW of 44.7 kDa. Due to glycosylation, the protein migrates to 75-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

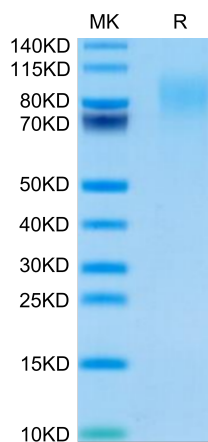
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM-1) is the major antigen of the CD66 cluster of granulocyte differentiation antigens. The present study aimed to assess the biological function of CEACAM-1 on the growth of human colorectal cancer (CRC) cells in vitro.

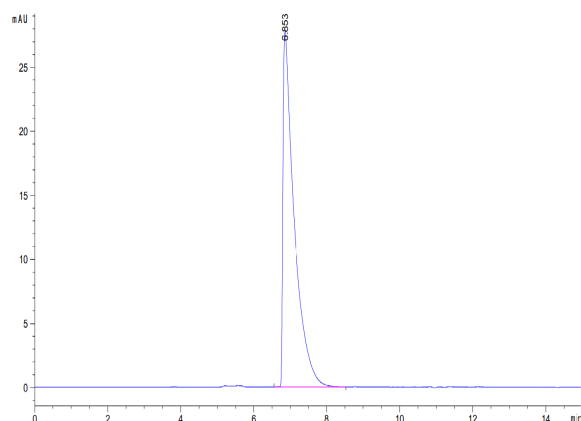
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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