Human CEACAM-6/CD66c Protein

Cat. No. CAM-HM406

Description

Source	Recombinant Human CEACAM-6/CD66c Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Lys35-Gly320.
Accession	P40199
Molecular Weight	The protein has a predicted MW of 34.1 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

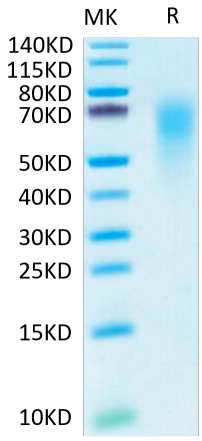
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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 6 (CEACAM6) belongs to the human carcino-embryonic antigen (CEA) family. Numerous lines of studies have indicated that altered expression of CEACAM6 may have a role in carcinogenesis and development.

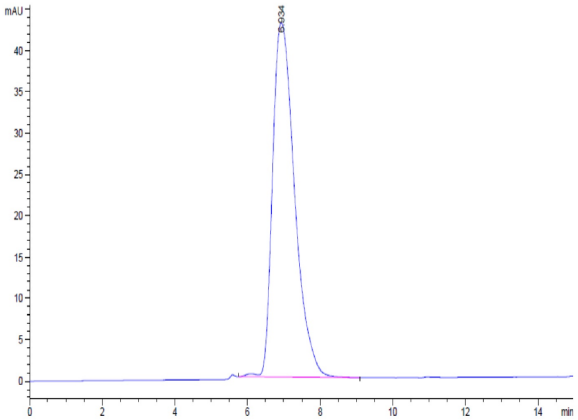
Assay Data

Bis-Tris PAGE



Human CEACAM-6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CEACAM-6 is greater than 95% as determined by SEC-HPLC.

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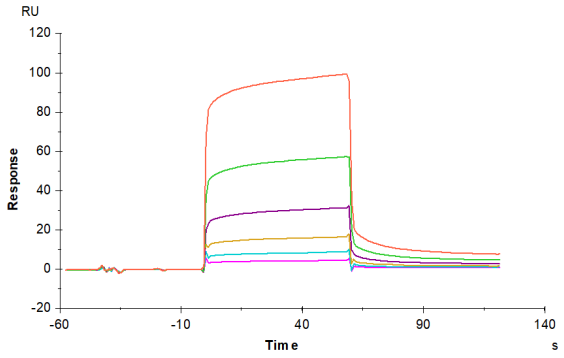
Assay Data

SPR Data



Human CEACAM-8, His Tag immobilized on CM5 Chip can bind Human CEACAM-6, His Tag with an affinity constant of 4.59 μM as determined in SPR assay (Biacore T200).