Cynomolgus CEACAM-5/CD66e Protein, Ultra Low Endotoxin

Cat. No. CAM-CM105-UL

Description

Source	Recombinant Cynomolgus CEACAM-5/CD66e Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln35-Gly685.
Accession	XP_005589491.2
Molecular Weight	The protein has a predicted MW of 72.76 kDa. Due to glycosylation, the protein migrates to 120-200 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

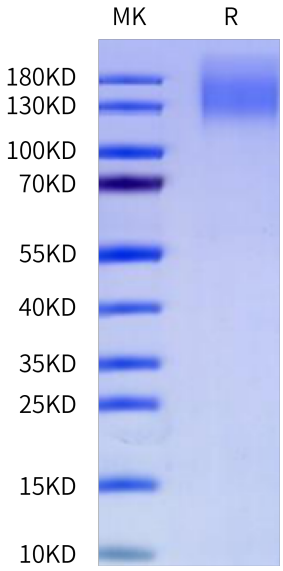
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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 5 (CEACAM5) was identified as a metastatic driver. CEACAM5 overproduction enriched for an epithelial gene expression pattern and facilitated tumor outgrowth at metastatic sites. Tissues from patients with metastatic breast cancer confirmed elevated levels of CEACAM5 in lung metastases relative to breast tumors, and an inverse correlation between CEACAM5 and the mesenchymal marker vimentin was demonstrated.

Assay Data

Bis-Tris PAGE



Cynomolgus CEACAM-5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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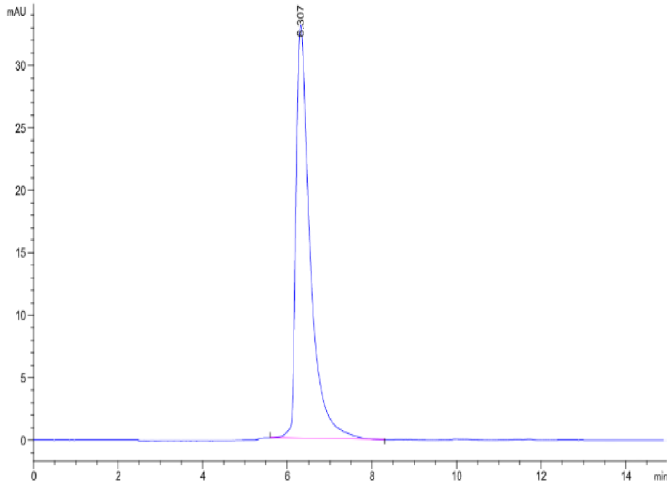
Assay Data



The purity of Cynomolgus CEACAM-5 is greater than 95% as determined by SEC-HPLC.

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