

Human CEACAM-5/CD66e (145-322) Protein

Cat. No. CAM-HM1D1

Description

Source	Recombinant Human CEACAM-5/CD66e (145-322) Protein is expressed from HEK293 with His tag at the C-terminus. It contains Pro145-Pro322.
Accession	P06731-1
Molecular Weight	The protein has a predicted MW of 20.66 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

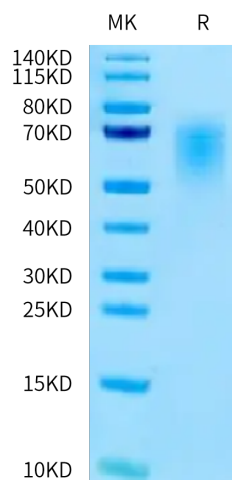
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

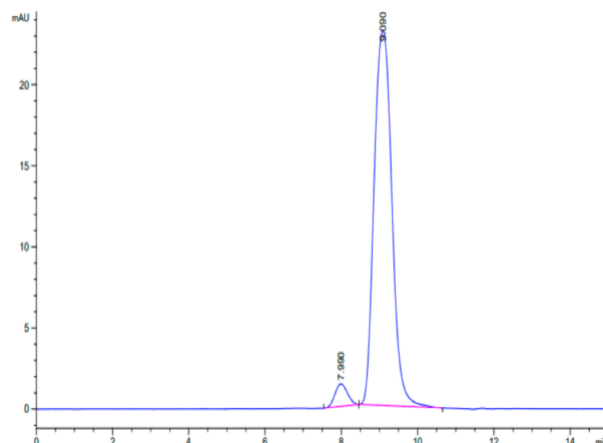
Assay Data

Tris-Bis PAGE



Human CEACAM-5 (145-322) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human CEACAM-5 (145-322) is greater than 95% as determined by SEC-HPLC.