

Mouse CEACAM-5/CD66e Protein

Cat. No. CAM-MM105

Description

Source	Recombinant Mouse CEACAM-5/CD66e Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gln35-Glu947.
Accession	Q3UJK2
Molecular Weight	The protein has a predicted MW of 104.22 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE > 90% 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.

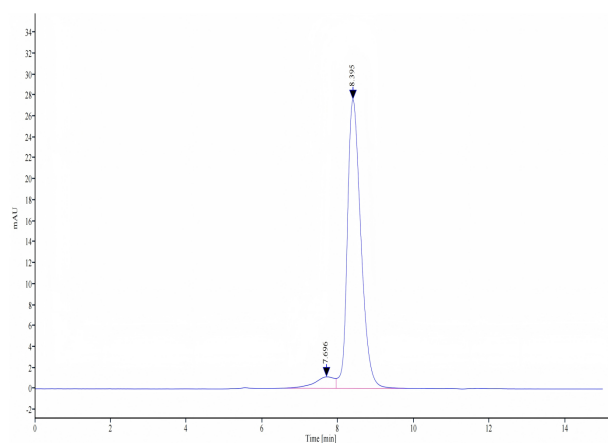
Assay Data

Bis-Tris PAGE



Mouse CEACAM-5 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC



The purity of Mouse CEACAM-5 is greater than 90% as determined by SEC-HPLC.