# Human CEACAM-5/CD66e Protein

**Cat. No.** CAM-HM205

## Description

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| **Source** | Recombinant Human CEACAM-5/CD66e Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. |
| | It contains Lys35-Ala685. |
| **Accession** | P06731 |
| **Molecular Weight** | The protein has a predicted MW of 97.27 kDa. Due to glycosylation, the protein migrates to 160-200 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 90% as determined by HPLC |

## Formulation and Storage

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| **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

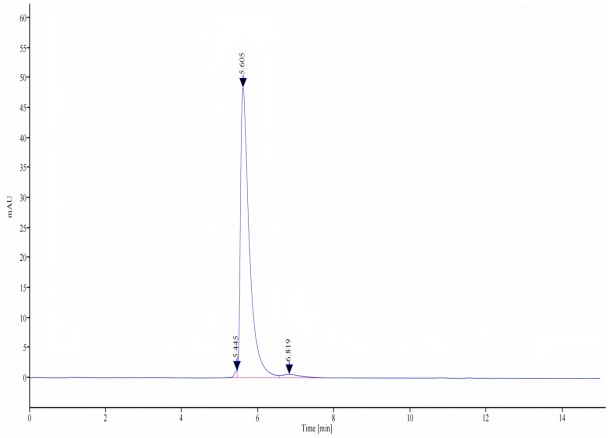
Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) was identified as a metastatic driver. CEACAM5 overproduction enriched for an epithelial gene expression pattern and facilitated tumor outgrowth at metastatic sites. Tissues from patients with metastatic breast cancer confirmed elevated 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


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

### SEC-HPLC




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