

# Canine CEACAM-1/CD66a Protein

Cat. No. CEA-DM101



## Description

<b>Source</b>	Recombinant Canine CEACAM-1/CD66a Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln35-Gly424.
<b>Accession</b>	XP_038509497.1
<b>Molecular Weight</b>	The protein has a predicted MW of 43.62 kDa. Due to glycosylation, the protein migrates to 68-88 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

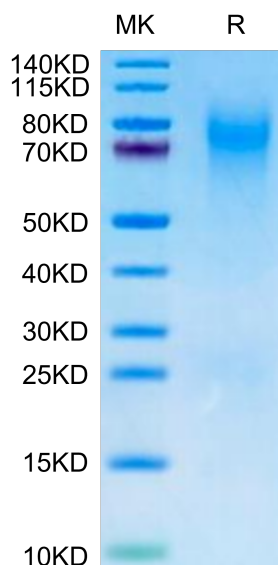
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM-1) is the major antigen of the CD66 cluster of granulocyte differentiation antigens. The present study aimed to assess the biological function of CEACAM-1 on the growth of human colorectal cancer (CRC) cells in vitro.

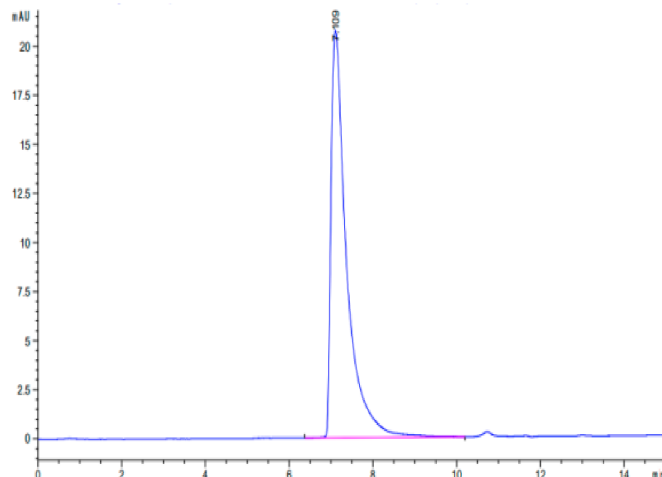
## Assay Data

### Bis-Tris PAGE



Canine CEACAM-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Canine CEACAM-1 is greater than 95% as determined by SEC-HPLC.