

# 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 Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

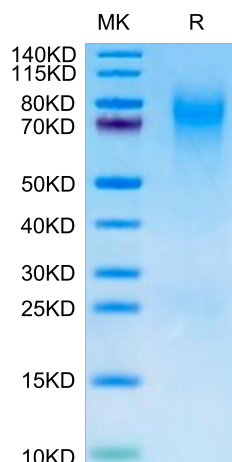
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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 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

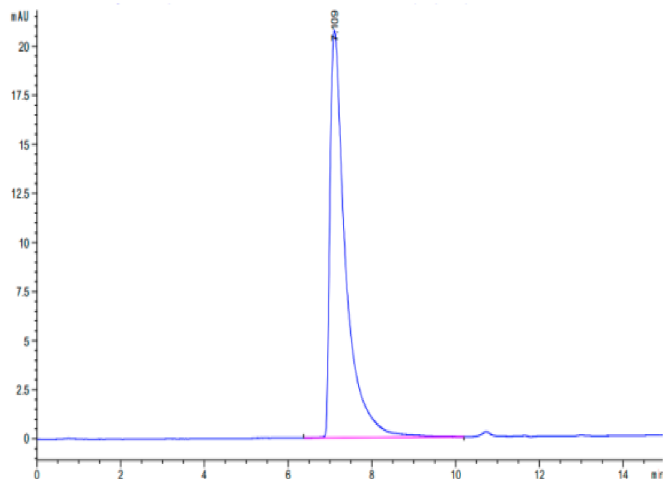
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data



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