

Canine CEACAM-1/CD66a Protein

Cat. No. CEA-DM101



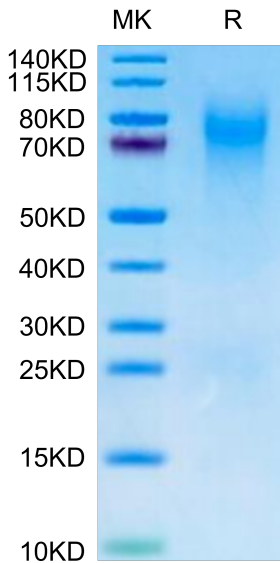
| Description      |                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Canine CEACAM-1/CD66a Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Gln35-Gly424.     |
| Accession        | XP_038509497.1                                                                                                                      |
| Molecular Weight | 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. |
| Endotoxin        | Less than 1 EU per µg by the LAL method.                                                                                            |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC                                                                 |

| Formulation and Storage |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation             | Supplied as 0.22µm 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                                                                                                                                                                                                                                                                                  |  |
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| 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. |  |

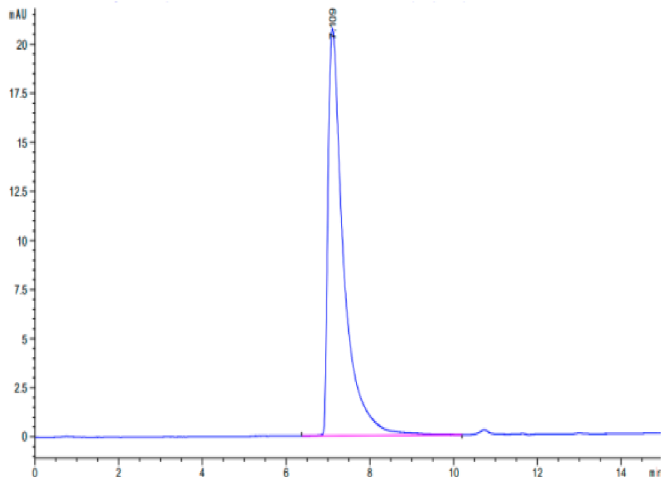
Assay Data

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.