

## Recombinant Canine CD166 Antigen (ALCAM)

**Cat. No.:** AP1C105

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Canine CD166 Antigen (ALCAM) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 31.2 kDa. The purity is >95% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	31.2 kDa
Molecular Weight	31.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

### Target Information

Canine CD166 antigen, also known as ALCAM, is a cell surface glycoprotein that plays a significant role in cell adhesion, particularly in immune cell interactions and the progression of various diseases, including cancer. In dogs, CD166 is involved in the modulation of cell proliferation, adhesion, migration, and invasion, which are key processes in the development and metastasis of tumors. It has also been identified as a potential marker for cancer stem cells in various types of cancer. The expression and function of CD166 can provide valuable insights into disease progression and may serve as a prognostic marker for certain conditions in dogs.

Protein	Canine CD166 Antigen (ALCAM)
Protein Synonym	CD166; MEMD; Activated Leucocyte Cell Adhesion Molecule
Gene ID	<a href="#">478550</a>
UniProt ID	<a href="#">Q46634</a>

## Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.