

# **Biotinylated Recombinant Mouse ALCAM/CD166 Protein**

Catalog No.: RP02758B Recombinant

# **Sequence Information**

SpeciesGene IDSwiss ProtMouse11658Q61490

**Tags** C-His&Avi

**Synonyms** 

CD166; ALCAM; MEMD; CD6L; KG-CAM

## **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

58.9 kDa 75-85 kDa

## **Endotoxin**

< 1 EU/ $\mu g$  of the protein by LAL method.

## **Formulation**

Lyophilized from a  $0.22 \mu m$  filtered solution of PBS, pH 7.4.

#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

# **Contact**

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# Background

Brain metastasis (BM) in non-small-cell lung cancer (NSCLC) has a very poor prognosis. Recent studies have demonstrated the importance of cell adhesion molecules in tumor metastasis. Elevated levels of ALCAM expression promote BM formation in NSCLC through increased tumor cell dissemination and interaction with the brain endothelial cells. Therefore, ALCAM could be targeted to reduce the occurrence of BM.

## **Basic Information**

## **Description**

Biotinylated Recombinant Mouse ALCAM/CD166 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Tyr28-Lys527) of Mouse ALCAM/CD166 fused with a His and Avi tag at the C-terminal.

#### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

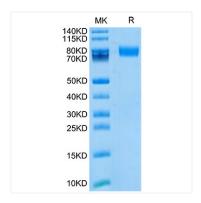
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

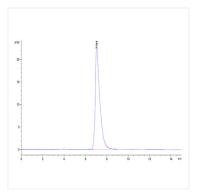
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Biotinylated Recombinant Mouse ALCAM/CD166 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Mouse ALCAM is greater than 95% as determined by SEC-HPLC.