

Biotinylated Recombinant Mouse ALCAM/CD166 Protein

Catalog No.: RP02758B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	11658	Q61490

Tags

C-His&Avi

Synonyms

CD166; ALCAM; MEMD; CD6L; KG-CAM

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
58.9 kDa	75-85 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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

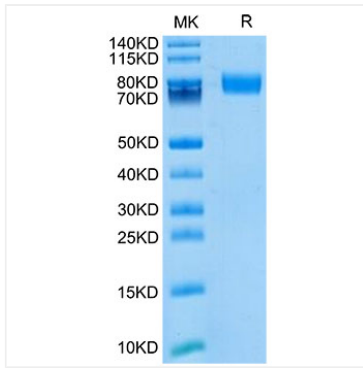
Storage

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

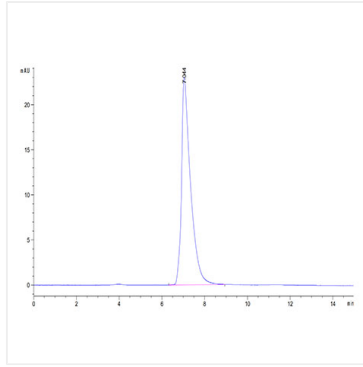
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Biotinylated Mouse ALCAM on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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