

Biotinylated Recombinant Mouse ALCAM/CD166 Protein

Catalog No.: RP02758B

Sequence Information

Species	Gene ID
Mouse	11658
Swiss Prot	Tags
Q61490	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/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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

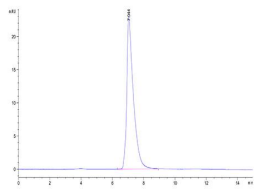
Operational Notes

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

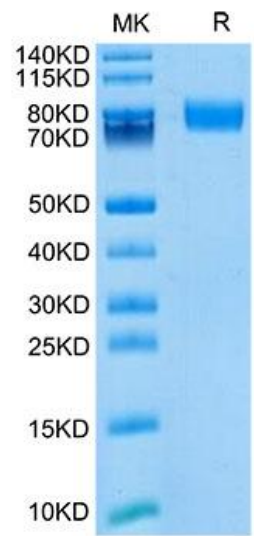
Contact

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Validation Data



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



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