

RP00621B

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Biotinylated Recombinant Human ALCAM/CD166 Protein

Catalog No.: RP00621B

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	214	Q13740-1

Tags

C-His&Avi

Synonyms

CD166; ALCAM; MEMD; CD6L; KG-CAM

Product Information

Source

Centrifuge the vial 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.

Purification

≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

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 Human ALCAM/CD166 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp28-Ala526) of Human ALCAM/CD166 (Accession #Q13740-1) fused with a C-His&Avi tag at the C-terminus.

Bio-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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

Reconstitution

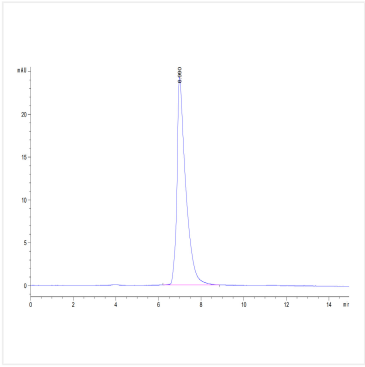
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Contact

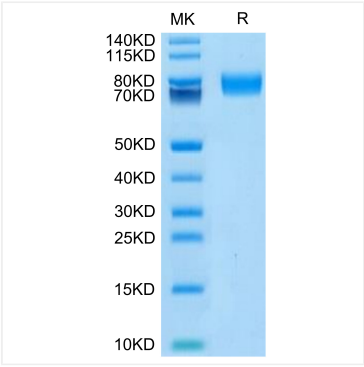


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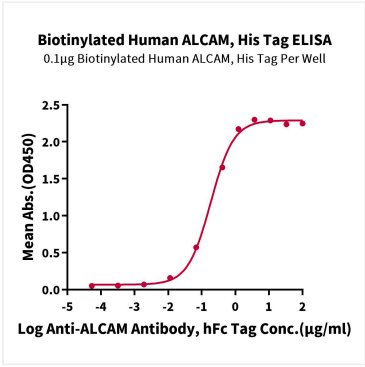
Validation Data



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



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



Immobilized Biotinylated Human ALCAM, His Tag at 1 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Anti-ALCAM Antibody, hFc Tag with the EC₅₀ of 0.18 µg/mL determined by ELISA.