

Biotinylated Human ALCAM/CD166 Protein



Cat. No. ALC-HM401B

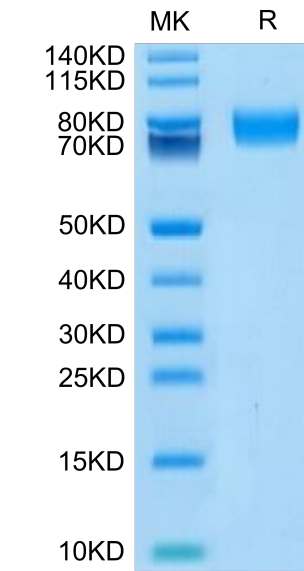
Description	
Source	Recombinant Biotinylated Human ALCAM/CD166 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Trp28-Ala526.
Accession	Q13740-1
Molecular Weight	The protein has a predicted MW of 58.9 kDa. Due to glycosylation, the protein migrates to 72-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.	

Assay Data

Bis-Tris PAGE



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

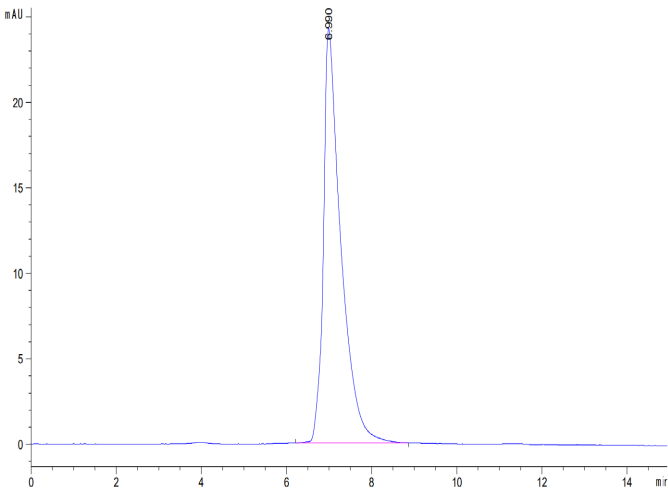
SEC-HPLC

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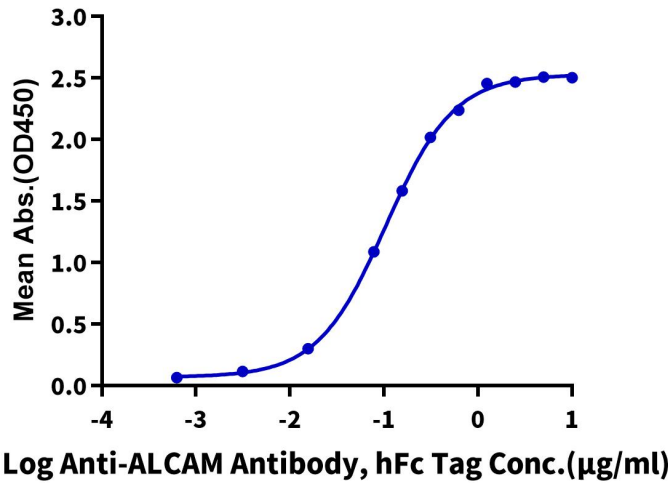
Assay Data



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

ELISA Data

Biotinylated Human ALCAM, His Tag ELISA
0.2µg Biotinylated Human ALCAM, His Tag Per Well



Immobilized Biotinylated Human ALCAM, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-ALCAM Antibody, hFc Tag with the EC50 of 0.1µg/ml determined by ELISA (QC Test).