Cynomolgus ALCAM/CD166 Protein

Cat. No. ALC-CM101

Description

Source	Recombinant Cynomolgus ALCAM/CD166 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Trp28-Lys527.
Accession	G7NZQ8
Molecular Weight	The protein has a predicted MW of 57.10 kDa. Due to glycosylation, the protein migrates to 70-85 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

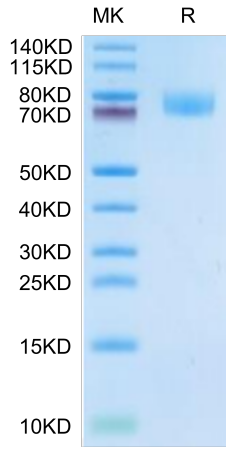
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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.

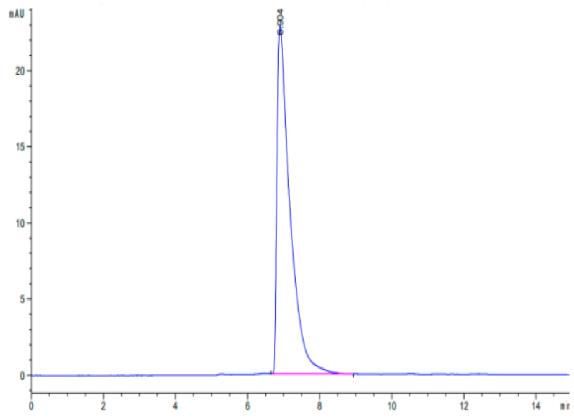
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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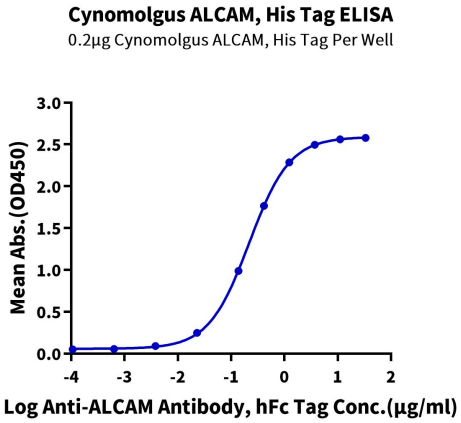
Assay Data

ELISA Data



Immobilized Cynomolgus ALCAM, His Tag at 2μg/ml (100μl/Well) on the plate. Dose response curve for Anti-ALCAM Antibody, hFc Tag with the EC50 of 0.22μg/ml determined by ELISA.