

Rev04  
 Update: Nov,20,2025

**DATASHEET**

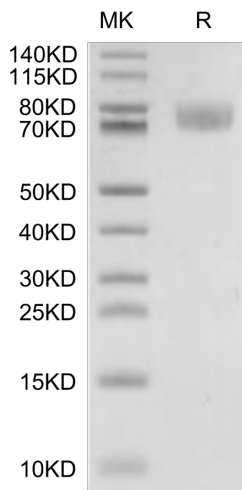
# ALCAM/CD166, His, Cynomolgus

Cat. No.: Z04727

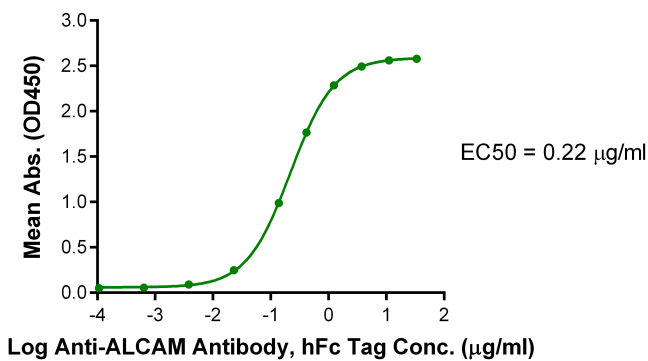
## Product Introduction

<b>Species</b>	Cynomolgus
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;">             ALCAM/CD166 (Trp28-Lys527)              Accession # G7NZQ8           </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;">             His           </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	57.10 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 70-85 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

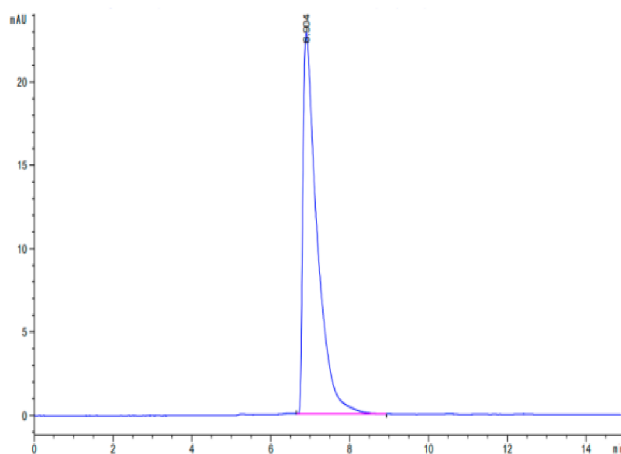
## Examples



ALCAM/CD166, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized ALCAM/CD166, His, Cynomolgus, His Tag at 2 µg /ml (100 µl /well) on the plate. Dose response curve for Anti-ALCAM Antibody, hFc Tag with the EC50 of 0.22 µg /ml determined by ELISA.



The purity of ALCAM/CD166, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

## Background

**Target 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.

**Synonyms :** CD166; ALCAM; MEMD; CD6L; KG-CAM

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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