



[Go to Product page](#)

Datasheet for ABIN7273820

## CD166 Protein (AA 28-527) (His-Avi Tag,Biotin)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	CD166 (ALCAM)
Protein Characteristics:	AA 28-527
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD166 protein is labelled with His-Avi Tag,Biotin.

#### Product Details

Purpose:	Biotinylated Mouse ALCAM/CD166 Protein
Sequence:	Tyr28-Lys527
Characteristics:	Recombinant Biotinylated Mouse ALCAM/CD166 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Tyr28-Lys527.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	CD166 (ALCAM)
Alternative Name:	ALCAM ( <a href="#">ALCAM Products</a> )

## Target Details

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**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.

**Molecular Weight:** 58.9 kDa. Due to glycosylation, the protein migrates to 75-85 kDa based on Tris-Bis PAGE result.

**UniProt:** [Q61490](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

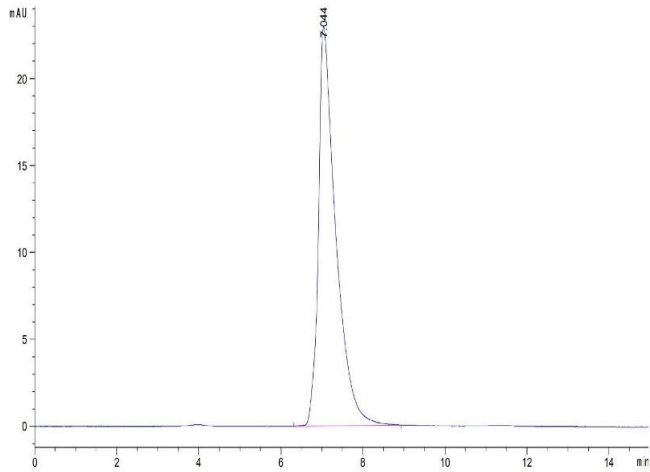
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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

**Storage:** -20 °C, -80 °C

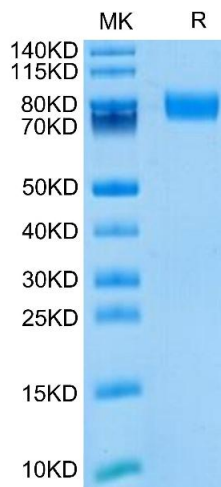
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Biotinylated Mouse ALCAM/CD166 is greater than 95 % as determined by SEC-HPLC.



### SDS-PAGE

**Image 2.** Biotinylated Mouse ALCAM/CD166 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.