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CD166 Protein (AA 28-527) (His tag)

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 tag.

Product Details

Purpose:	Mouse ALCAM/CD166 Protein
Sequence:	Trp28-Lys527
Characteristics:	Recombinant Mouse ALCAM/CD166 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Trp28-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

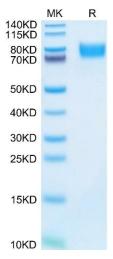
Target:	CD166 (ALCAM)
Alternative Name:	ALCAM (ALCAM Products)

Target Details

Expiry Date:

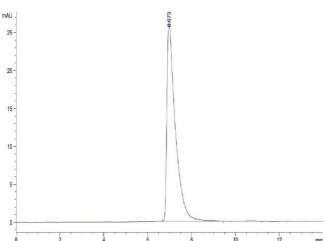
12 months

9	
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:	57.2 kDa. Due to glycosylation, the protein migrates to 70-100 kDa based on Tris-Bis PAGE result.
UniProt:	Q61490
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/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.



SDS-PAGE

Image 1. Mouse ALCAM on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse ALCAM is greater than 95 % as determined by SEC-HPLC.