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CD166 Protein (AA 28-526) (His-Avi Tag, Biotin)





Go to Product page

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Quantity:	100 μg
Target:	CD166 (ALCAM)
Protein Characteristics:	AA 28-526
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD166 protein is labelled with His-Avi Tag,Biotin.

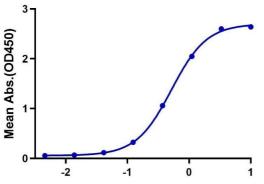
Product Details

Purpose:	Biotinylated Human ALCAM/CD166 Protein
Sequence:	Trp28-Ala526
Characteristics:	Recombinant Biotinylated Human ALCAM/CD166 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Trp28-Ala526.
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.
Biological Activity Comment:	Immobilized Biotinylated Human ALCAM, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-ALCAM Antibody, hFc Tag with the EC50 of 0.48µg/ml determined by ELISA. See testing image for detail.

Target Details

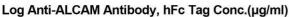
Target:	CD166 (ALCAM)
Alternative Name:	ALCAM (ALCAM Products)
Background:	Brain metastasis (BM) in non-small-cell lung cancer (NSCLC) has a very poor prognosis. Recent studies have demonstrated the importance of cell adhesion molecules in tumor metastasis. Elevated levels of ALCAM expression promote 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 72-80 kDa based on Tris-Bis PAGE result.
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.
Expiry Date:	12 months

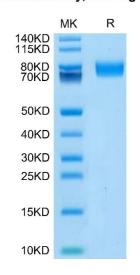
Biotinylated Human ALCAM, His Tag ELISA 0.2µg Biotinylated Human ALCAM, His Tag Per Well



ELISA

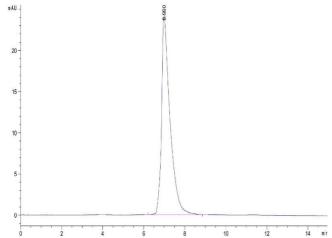
Image 1. Immobilized Biotinylated Human ALCAM, His Tag at 2 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Anti-ALCAM Antibody, hFc Tag with the EC50 of 0.48 μ g/mL determined by ELISA.





SDS-PAGE

Image 2. Biotinylated Human ALCAM/CD166 on Tris-Bis PAGE under reduced condition. The purity is greater than $95\,\%$.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human ALCAM/CD166 is greater than 95 % as determined by SEC-HPLC.

Please check the product details page for more images. Overall 4 images are available for ABIN7273818.