

Biotinylated Human CD44v9 Protein

Cat. No. CDX-HM4V9B



Description

Source	Recombinant Biotinylated Human CD44v9 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gln21-Pro220 & Gln506-Ser534.
Accession	P16070-1
Molecular Weight	The protein has a predicted MW of 28.13 kDa. Due to glycosylation, the protein migrates to 45-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

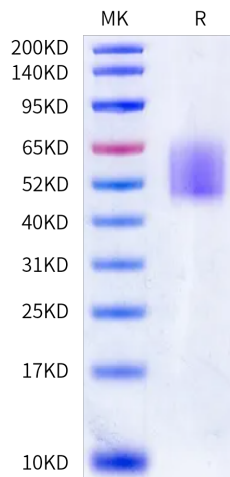
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

CD44 is a hyaluronan binding cell surface signal transducing receptor that influences motility, cell survival and proliferation as well as the formation of tumor microenvironment. CD44 contains two variable regions encoded by variable exons. Alternative splicing, which is often deregulated in cancer, can produce various isoforms of CD44 with properties that may have different tissue specific effects and therefore even diverse effects on cancer progression

Assay Data

Bis-Tris PAGE



Biotinylated Human CD44v9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

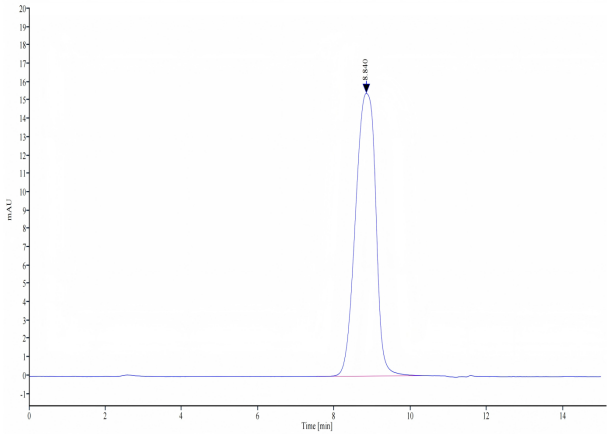
SEC-HPLC

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Assay Data



The purity of Biotinylated Human CD44v9 is greater than 95% as determined by SEC-HPLC.

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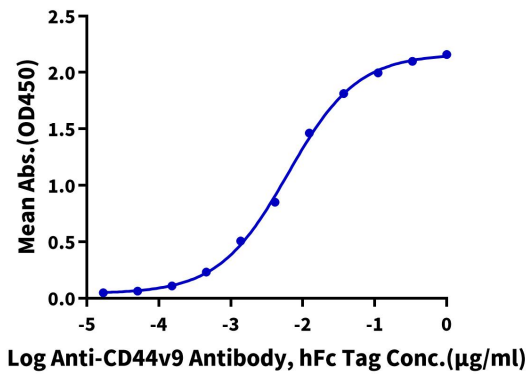


Assay Data

ELISA Data

Biotinylated Human CD44v9, His Avi Tag ELISA

0.05µg Biotinylated Human CD44v9, His Avi Tag Per Well



Immobilized Biotinylated Human CD44v9, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD44v9 Antibody, hFc Tag with the EC50 of 6.2ng/ml determined by ELISA.