

# Biotinylated Human CD44v9 Protein

Cat. No. CDX-HM4V9B

## Description

<b>Source</b>	Recombinant Biotinylated Human CD44v9 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gln21-Pro220 & Gly506-Ser534.
<b>Accession</b>	P16070-1
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1 EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

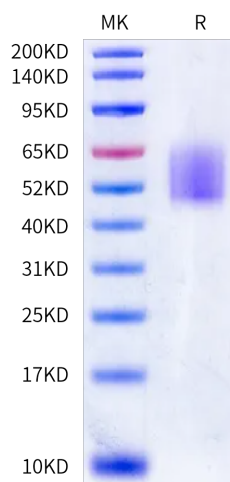
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at $-80^{\circ}\text{C}$ . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

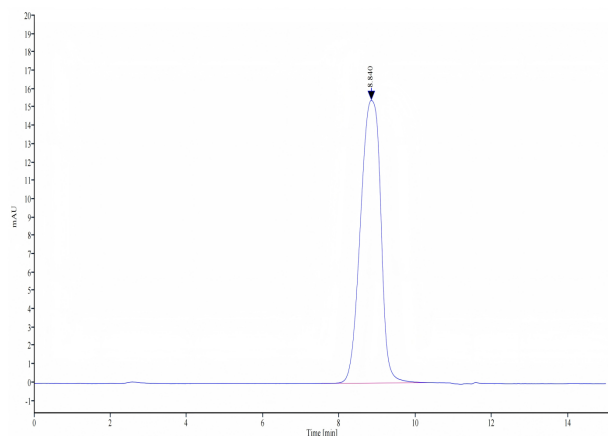
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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

# Biotinylated Human CD44v9 Protein

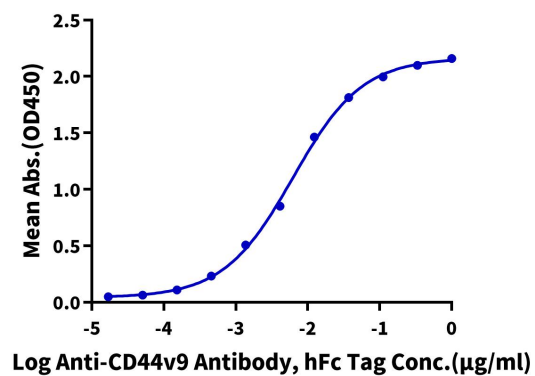
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## Assay Data

### 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.