

Biotinylated Human CD228/MFI2 Protein



Cat. No. MFI-HM428B

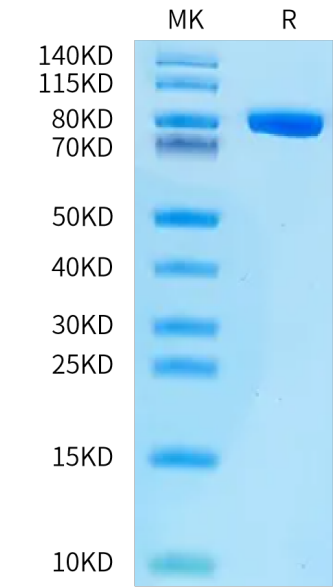
Description	
Source	Recombinant Biotinylated Human CD228/MFI2 Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly20-Cys709.
Accession	P08582-1
Molecular Weight	The protein has a predicted MW of 78.42 kDa. Due to glycosylation, the protein migrates to 80-90 kDa 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	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Melanotransferrin is typically overexpressed in melanoma cells compared to other cell types - including cancer cells - and is efficiently sorted and secreted with nanovesicles, or so-called exosomes, due to its membrane-anchoring by a glycosylphosphatidylinositol. Melanotransferrin is exposed on the surface of exosomes and is accessible for antibody recognition.	

Assay Data

Bis-Tris PAGE



Biotinylated Human CD228 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

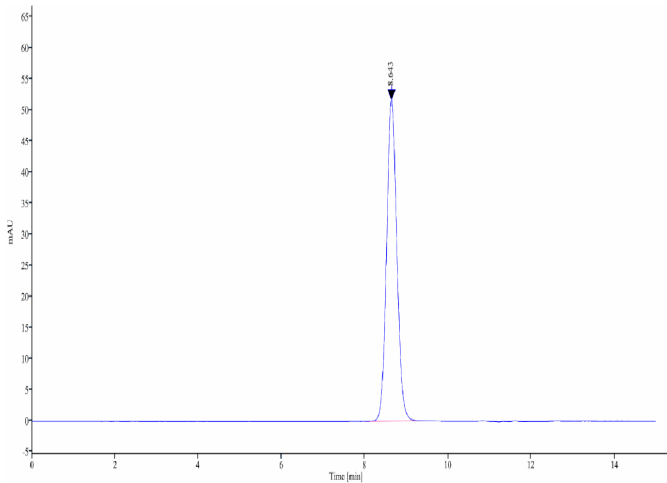
SEC-HPLC

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Assay Data

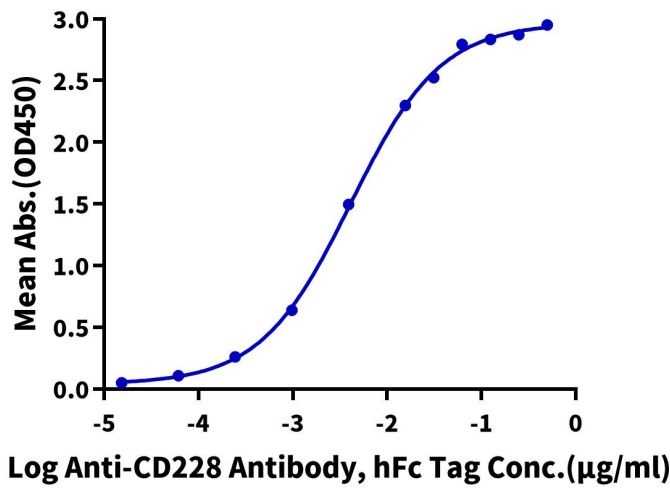


The purity of Biotinylated Human CD228 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human CD228, His Avi Tag ELISA

0.05µg Biotinylated Human CD228, His Avi Tag Per Well



Immobilized Biotinylated Human CD228, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD228 Antibody, hFc Tag with the EC50 of 4.1ng/ml determined by ELISA.