

Biotinylated Human HBV (HLA-A*02:01) Protein

Cat. No. MHC-HM409B

Description

Source	Recombinant Biotinylated Human HBV(HLA-A*02:01) Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal It contains Gly25-Thr305(HLA-A*02:01),Ile21-Met119(B2M) and FLLTRILTI peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&FLLTRILTI peptide
Molecular Weight	The protein has a predicted MW of 50.5 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

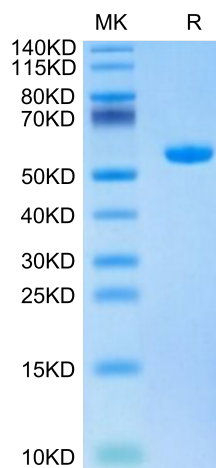
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Background

Hepatitis B virus (HBV), is the leading cause of liver diseases infecting an estimated 240 million persons worldwide. The HBV prevalence rates are variables between different countries, with an high level of endemicity in the south-eastern part of Europe. Seven main HBV-D subgenotypes have been described until now (D1-D7).

Assay Data

Tris-Bis PAGE



Biotinylated Human HBV (HLA-A*02:01) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

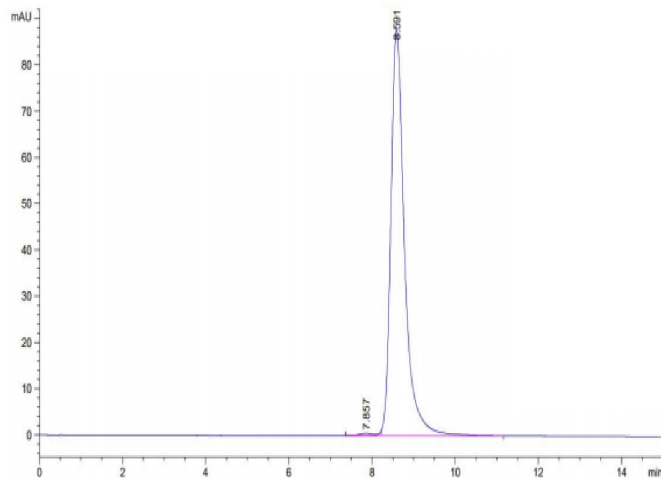
SEC-HPLC

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Assay Data



The purity of Biotinylated Human HBV (HLA-A*02:01) is greater than 95% as determined by SEC-HPLC.