Biotinylated Human HLA-A*02:01&B2M&HBV c18V (FLPSDFFPSV) Monomer Protein

Cat. No. MHC-HE462B

Description

Source	Recombinant Biotinylated Human HLA-A*02:01&B2M&HBV c18V (FLPSDFFPSV) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus.
	It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and FLPSDFFPSV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&FLPSDFFPSV
Molecular Weight	The protein has a predicted MW of 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M) same as 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

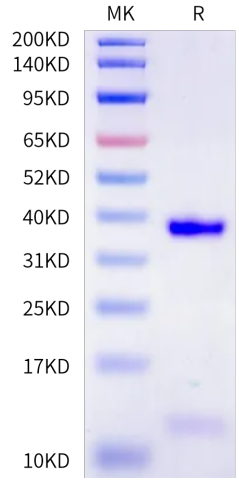
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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).

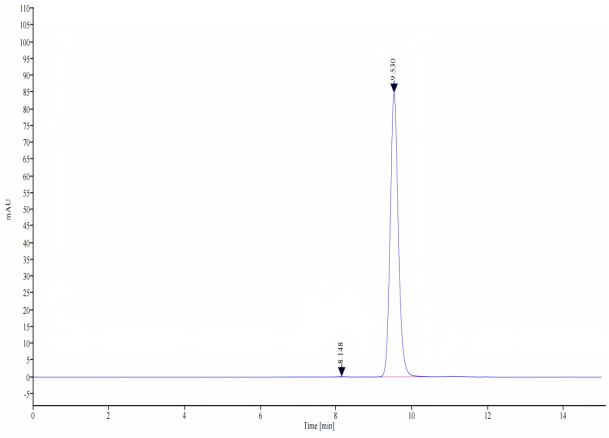
Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-A*02:01&B2M&HBV c18V (FLPSDFFPSV) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human HLA-A*02:01&B2M&HBV c18V (FLPSDFFPSV) Monomer is greater than 95% as determined by SEC-HPLC.