

Human HLA-A*02:01&B2M&HBV (FLLTRILTI) Monomer Protein

Cat. No. MHC-HM409

Description

Source	Recombinant Human HBV(HLA-A*02:01) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus 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 Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

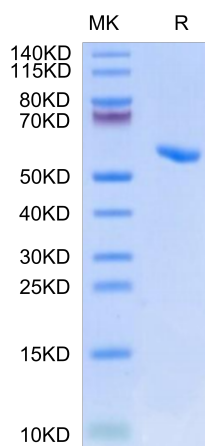
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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).

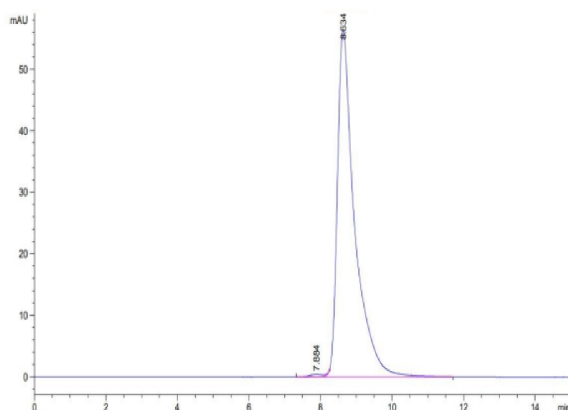
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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