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

Cat. No. MHC-HM409T

Description

Source	Recombinant Human HBV(HLA-A*02:01) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus, tetramer is assembled by biotinylated monomer and streptavidin.
	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 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition 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
	> 90% as determined by HPLC

Formulation and Storage

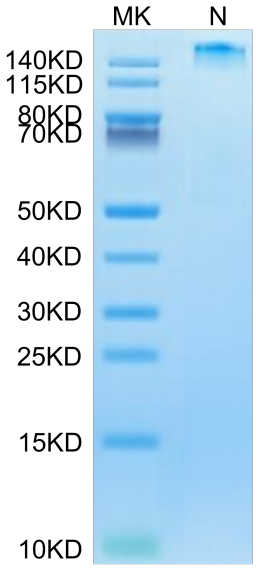
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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) Tetramer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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

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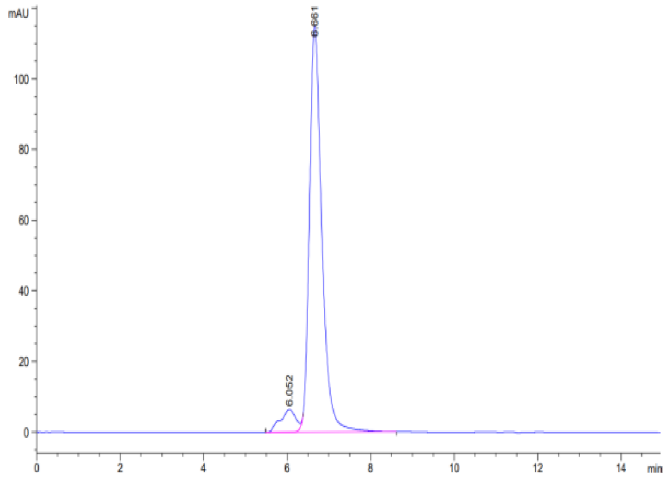
Assay Data



The purity of Human HLA-A*02:01&B2M&HBV (FLLTRILTI) Tetramer is greater than 90% as determined by SEC-HPLC.