

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

Cat. No. MHC-HM409T

## Description

<b>Source</b>	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.
<b>Accession</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)&FLLTRILTI peptide
<b>Molecular Weight</b>	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 Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 93% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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 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

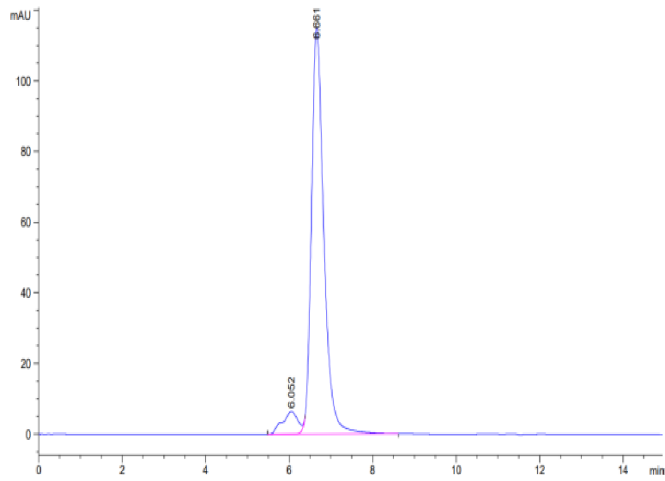
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data



The purity of Human HLA-A\*02:01&B2M&HBV (FLLTRILT) Tetramer is greater than 93% as determined by SEC-HPLC.