

# Biotinylated Human Peptide Ready HLA-A\*31:01&B2M Monomer Protein

Cat. No. MHC-HM54RB

## Description

<b>Source</b>	Recombinant Biotinylated Human Peptide Ready HLA-A*31:01&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*31:01) and Ile21-Met119(B2M).
<b>Accession</b>	SOQ70041.1(HLA-A*31:01)&P61769(B2M)
<b>Molecular Weight</b>	The protein has a predicted MW of 48.80 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >90% as determined by HPLC

## Formulation and Storage

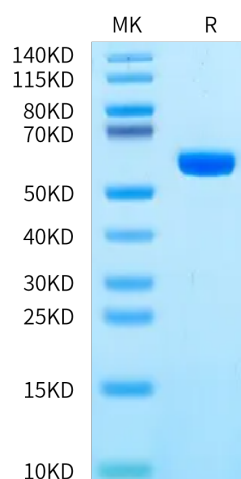
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

HLA-A\*31:01&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A\*31:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

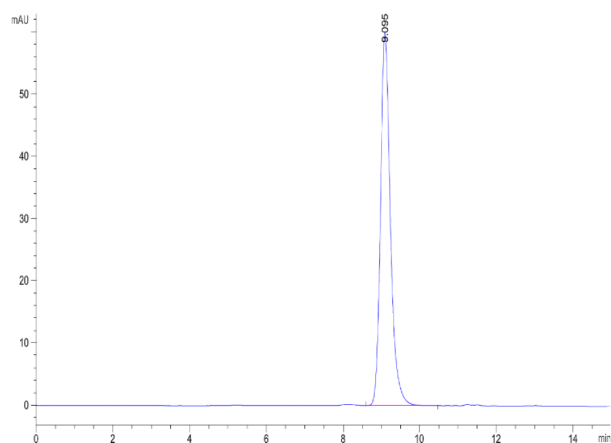
## Assay Data

### Bis-Tris PAGE



Biotinylated Human Peptide Ready HLA-A\*31:01&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

### SEC-HPLC



The purity of Biotinylated Human Peptide Ready HLA-A\*31:01&B2M Monomer is greater than 90% as determined by SEC-HPLC.