Biotinylated Human Peptide Ready HLA-B*27:05&B2M Monomer Protein

Cat. No. MHC-HM62RB

Description

Source	Recombinant Biotinylated Human Peptide Ready HLA-B*27:05&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gly25-Pro300(HLA-B*27:05) & Ile21-Met119(B2M).
Accession	AAA36221.1(HLA-B*27:05)&P61769(B2M)
Molecular Weight	The protein has a predicted MW of 48.8 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis 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

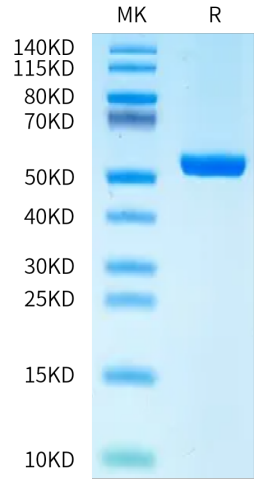
Formulation	Supplied as 0.22 μm filtered solution in PBS, 100mM Arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

HLA-B*27:05&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-B*27:05. 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.

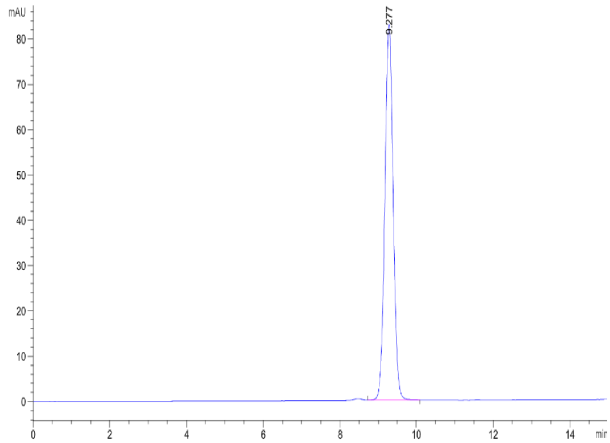
Assay Data

Bis-Tris PAGE



Biotinylated Human Peptide Ready HLA-B*27:05&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human Peptide Ready HLA-B*27:05&B2M Monomer is greater than 95% as determined by SEC-HPLC.