Biotinylated Human Peptide Ready HLA-B*57:01&B2M Monomer Protein

Cat. No. MHC-HM48RB

Description

Source	Recombinant Biotinylated Human Peptide Ready HLA-B*57:01&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gly25-Ala362(HLA-B*57:01) & Ile21-Met119(B2M).
Accession	AAA36231.1(HLA-B*57:01)&P61769(B2M)
Molecular Weight	The protein has a predicted MW of 48.2 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

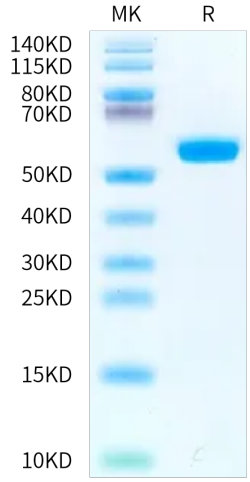
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 100mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

HLA-B*57:01&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-B*57:01. 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.

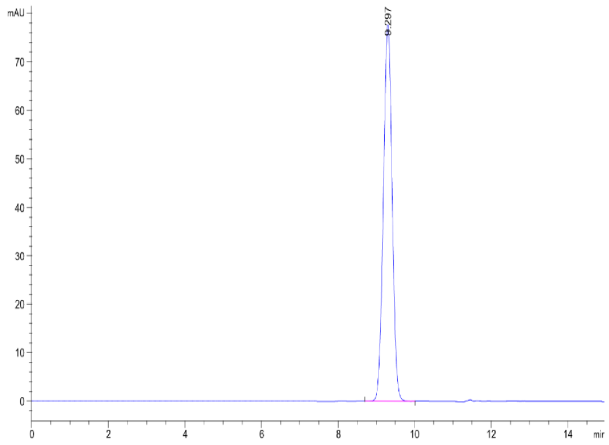
Assay Data

Bis-Tris PAGE



Biotinylated Human Peptide Ready HLA-B*57:01&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*57:01&B2M Monomer is greater than 95% as determined by SEC-HPLC.

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