

Human Peptide Ready HLA-E*01:03&B2M Monomer Protein

Cat. No. MHC-HM42R

Description

Source	Recombinant Human Peptide Ready HLA-E*01:03&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly25-Ile305(HLA-E*01:03) and Ile21-Met119(B2M).
Accession	P13747(HLA-E*01:03)&P61769(B2M)
Molecular Weight	The protein has a predicted MW of 48.30 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

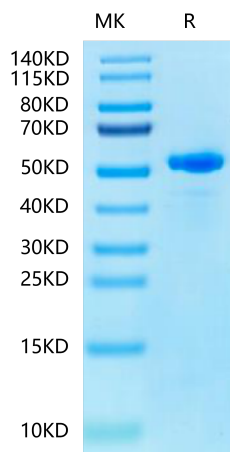
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled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

HLA-E*01:03&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-E*01:03. 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.

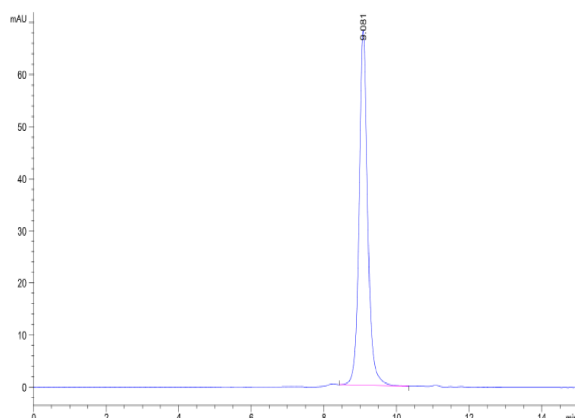
Assay Data

Tris-Bis PAGE



Human Peptide Ready HLA-E*01:03&B2M Monomer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Peptide Ready HLA-E*01:03&B2M Monomer is greater than 95% as determined by SEC-HPLC.