FITC-Labeled Human Peptide Ready HLA-E*01:03&B2M Tetramer Protein

Cat. No. MHC-HM42RTR

Description

Source	Recombinant FITC-Labeled Human Peptide Ready HLA-E*01:03&B2M Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gly22-Thr302(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 264 kDa. Due to glycosylation, the protein migrates to 265-275 kDa under Non reducing (N) condition based on Bis-Tris PAGE result.
Wavelength	Excitation Wavelength: 490 nm
	Emission Wavelength: 520 nm
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

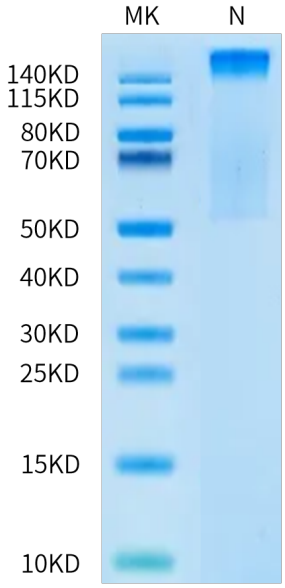
Formulation	Supplied as 0.22 μm filtered solution in PBS, 100mM L-Arginine (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

HLA-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

Bis-Tris PAGE



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

SEC-HPLC

FITC-Labeled Human Peptide Ready HLA-E*01:03&B2M Tetramer Protein

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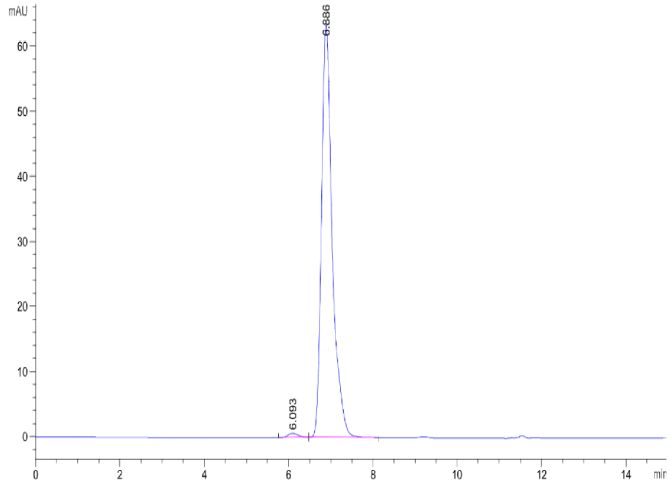
Assay Data



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