Biotinylated Human HLA-E*01:03&B2M&EBV LMP1 (GGDPHLPTL) Monomer Protein

Cat. No. MHC-HM466B

Description

Source	Recombinant Biotinylated Human HLA-E*01:03&B2M&EBV LMP1 (GGDPHLPTL) Monomer Protein is expressed from HEK293 with His tag and Avi at the C-terminus.
	It contains Gly22-Thr302(HLA-E*01:03), Ile21-Met119 (B2M) and GGDPHLPTL peptide.
Accession	P13747(HLA-E*01:03)&P61769(B2M)&GGDPHLPTL
Molecular Weight	The protein has a predicted MW of 50.15 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Bis-Tris 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

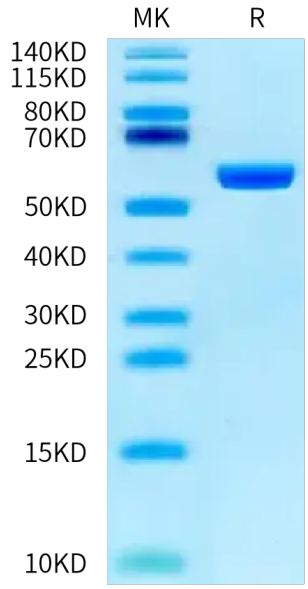
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

Epstein-Barr virus (EBV)-encoded latent membrane protein 1 (LMP1) is expressed in germinal-center-derived, mononuclear Hodgkin (H) and multinuclear, diagnostic Reed-Sternberg (RS) cells in classical EBV-positive Hodgkin's lymphoma (cHL). LMP1 expression in EBV-negative H-cell lines results in a significantly increased number of RS cells.

Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-E*01:03&B2M&EBV LMP1 (GGDPHLPTL) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Biotinylated Human HLA-E*01:03&B2M&EBV LMP1 (GGDPHLPTL) Monomer Protein

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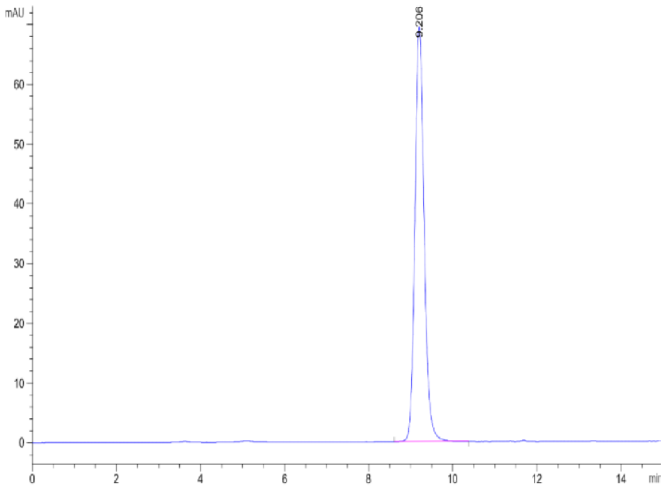
Assay Data



The purity of Biotinylated Human HLA-E*01:03&B2M&EBV LMP1 (GGDPHLPTL) Monomer is greater than 95% as determined by SEC-HPLC.