

Cat. No. MHC-HM466B

Description

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| 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 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

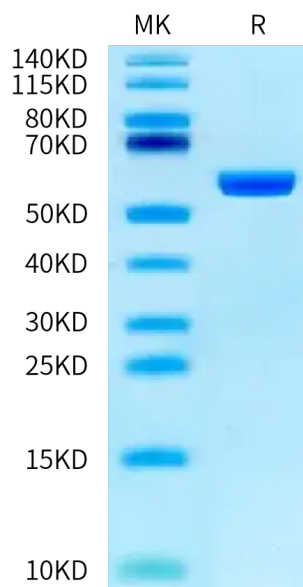
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|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to 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. -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

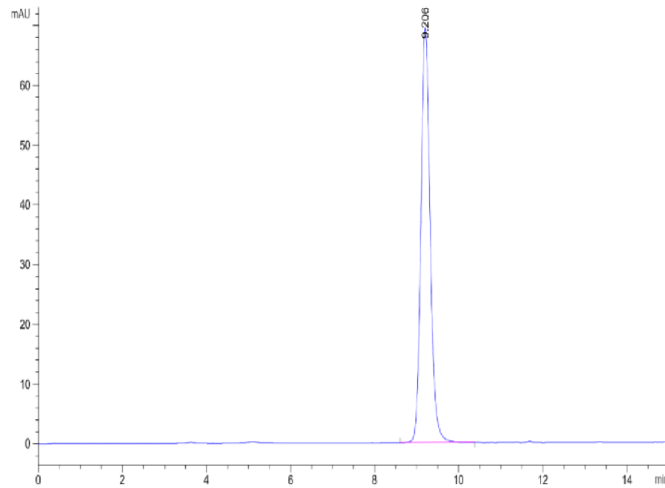
Bis-Tris PAGE



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

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.