

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 Gly25-Ile305 (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 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

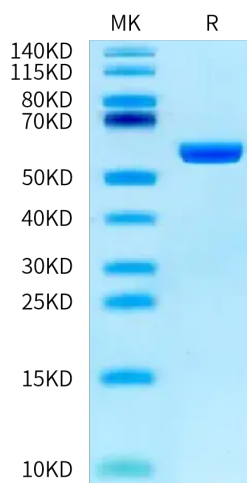
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

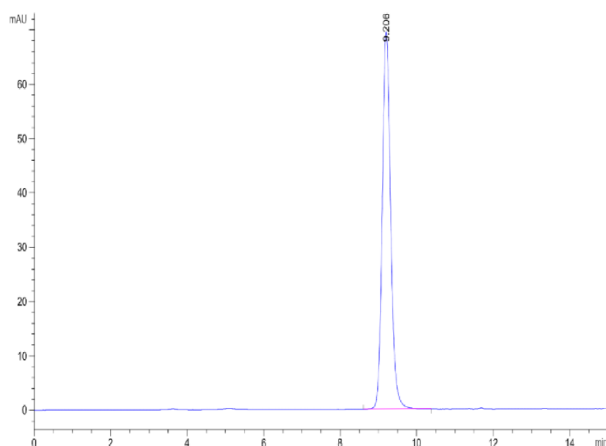
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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