

Biotinylated Human HLA-A*02:01&B2M&TdT (ALYDKTKRI) Monomer Protein



Cat. No. MHC-HM486B

Description

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|-------------------------|--|
| Source | Recombinant Biotinylated Human HLA-A*02:01&B2M&TdT (ALYDKTKRI) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and ALYDKTKRI peptide. |
| Accession | A0A140T913(HLA-A*02:01)&P61769(B2M)&ALYDKTKRI |
| Molecular Weight | The protein has a predicted MW of 50.50 kDa. Due to glycosylation, the protein migrates to 52-65 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

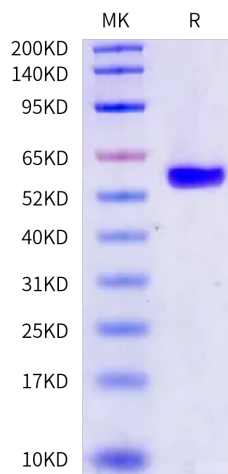
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|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. 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

The terminal deoxynucleotidyl transferase (TdT) belongs to the X family of DNA polymerases. This unusual polymerase catalyzes the template-independent addition of random nucleotides on 3'-overhangs during V(D)J recombination. The biological function and intrinsic biochemical properties of the TdT have spurred the development of numerous oligonucleotide-based tools and methods, especially if combined with modified nucleoside triphosphates.

Assay Data

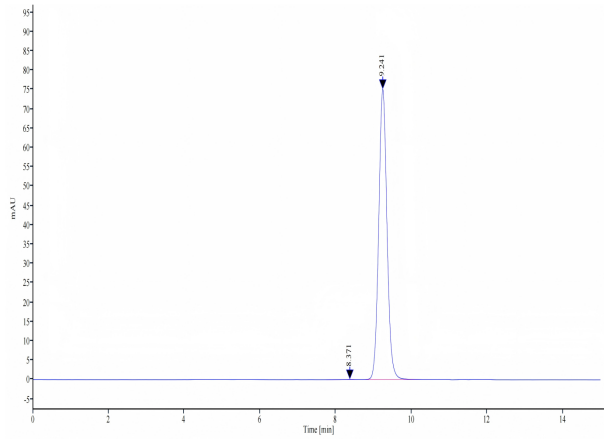
Bis-Tris PAGE



Biotinylated Human HLA-A*02:01&B2M&TdT (ALYDKTKRI) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Biotinylated Human HLA-A*02:01&B2M&TdT (ALYDKTKRI) Monomer is greater than 95% as determined by SEC-HPLC.