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

Cat. No. MHC-HM486

Description

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

Formulation and Storage

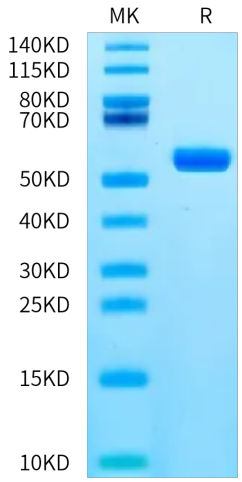
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

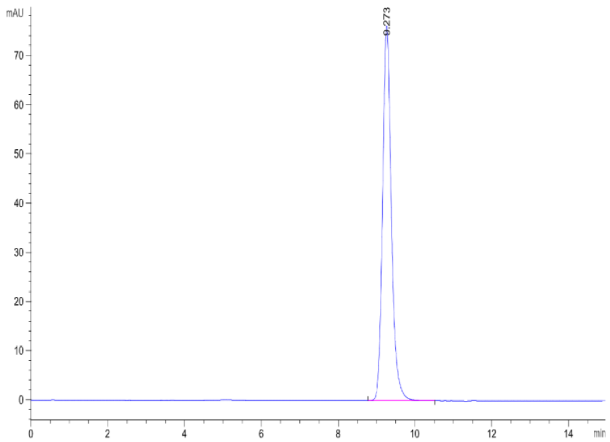
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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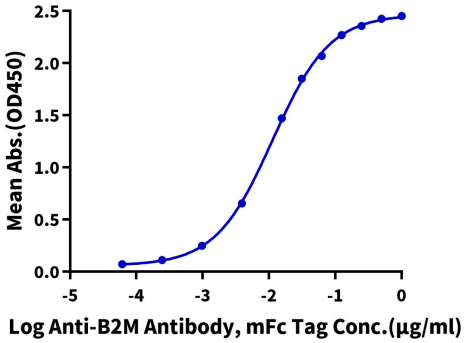
Assay Data

ELISA Data

Human HLA-A*02:01&B2M&TdT (ALYDKTKRI) Monomer, His Tag ELISA

0.1μg Human HLA-A*02:01&B2M&TdT (ALYDKTKRI) Monomer, His Tag Per Well



Immobilized Human HLA-A*02:01&B2M&TdT (ALYDKTKRI) Monomer, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 11.3ng/ml determined by ELISA.