

# Biotinylated Human HLA-A\*01:01&B2M&CT83 (NTDNNLAVY) Monomer Protein



Cat. No. MHC-HM426B

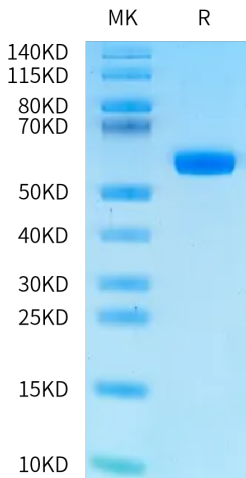
Description	
Source	Recombinant Biotinylated Human HLA-A*01:01&B2M&CT83 (NTDNNLAVY) Monomer Protein is expressed from HEK293 with with His tag and Avi Tag at the C-terminus. It contains Gly25-Thr305(HLA-A*01:01), Ile21-Met119(B2M) and NTDNNLAVY peptide.
Accession	Q5SUL5(HLA-A*01:01)&P61769(B2M)&NTDNNLAVY
Molecular Weight	The protein has a predicted MW of 50.30 kDa. Due to glycosylation, the protein migrates to 55-65 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	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**  
Cancer/testis antigens 83 (CT83), also called KK-LC-1 or CXorf61, recognized by cytotoxic T lymphocytes (CTL), has become a promising target for immunotherapy.

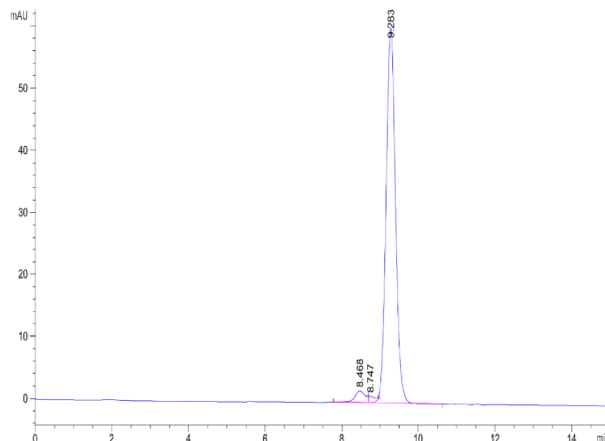
## Assay Data

### Bis-Tris PAGE



Biotinylated Human HLA-A\*01:01&B2M&CT83 (NTDNNLAVY) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Biotinylated Human HLA-A\*01:01&B2M&CT83 (NTDNNLAVY) Monomer is greater than 95% as determined by SEC-HPLC.