

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

Cat. No. MHC-HM426T

## Description

<b>Source</b>	Recombinant Human CT83(HLA-A*01:01) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus,tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305(HLA-A*01:01),Ile21-Met119(B2M) and NTDNNLAVY peptide.
<b>Accession</b>	Q5SUL5(HLA-A*01:01)&P61769(B2M)&NTDNNLAVY
<b>Molecular Weight</b>	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

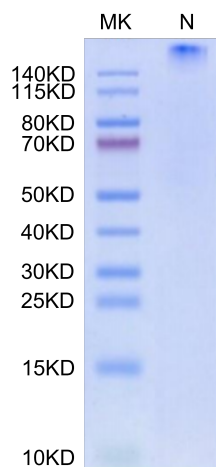
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 days 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.

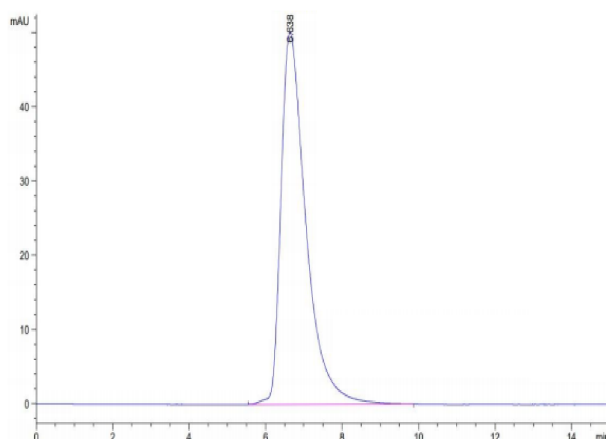
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



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