

Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Tetramer Protein



Cat. No. MHC-HM40NT

Description

Source	Recombinant Human NY-ESO-1(HLA-A*02:01) 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*02:01),Ile21-Met119(B2M) and SLLMWITQV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&SLLMWITQV
Molecular Weight	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.
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

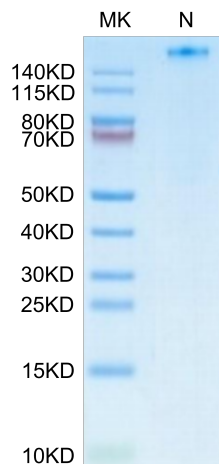
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 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

NY-ESO-1 or New York esophageal squamous cell carcinoma 1 is a well-known cancer-testis antigen (CTAs) with re-expression in numerous cancer types. Its ability to elicit spontaneous humoral and cellular immune responses, together with its restricted expression pattern, have rendered it a good candidate target for cancer immunotherapy.

Assay Data

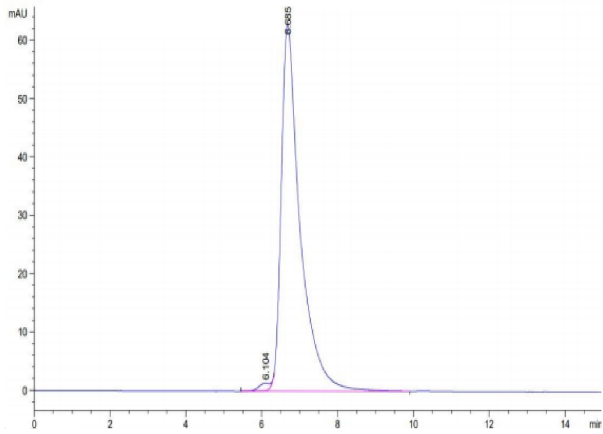
Tris-Bis PAGE



Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Tetramer on Tris-Bis PAGE under Non reducing (N) condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



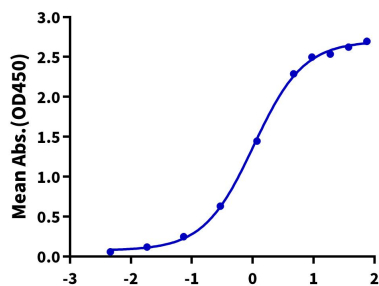
The purity of Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Tetramer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Tetramer, His Tag ELISA

0.5µg Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Tetramer, His Tag Per Well



Immobilized Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Tetramer, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Antibody, hFc Tag with the EC50 of 1.0ng/ml determined by ELISA.

Log Anti-HLA-A*02:01&B2M&NY-ESO-1 Antibody, hFc Tag Conc.(ng/ml)