

Human HLA-A\*02:01&B2M&NY-ESO-1 (SLLMWITQC) Monomer Protein



Cat. No. MHC-HE446

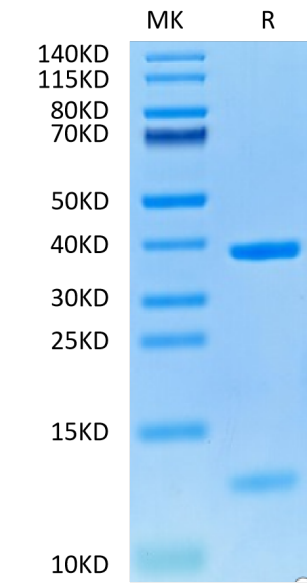
Description	
Source	Recombinant Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-Terminus. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and SLLMWITQC peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&SLLMWITQC
Molecular Weight	The protein has a predicted MW of 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M) same as 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	
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0).
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	
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

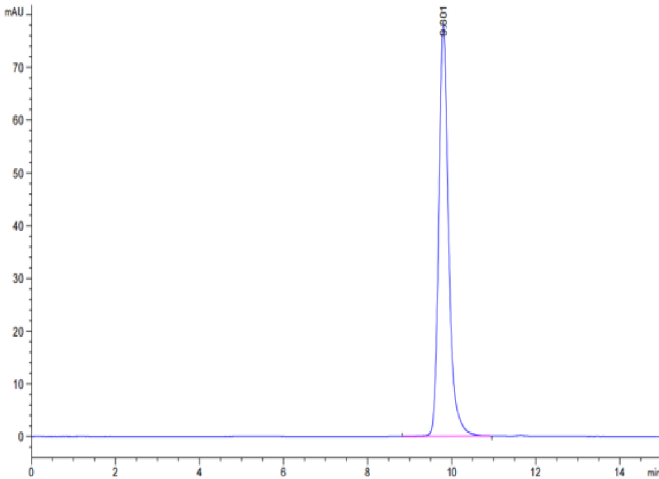
Bis-Tris PAGE



Human HLA-A\*02:01&B2M&NY-ESO-1 (SLLMWITQC) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

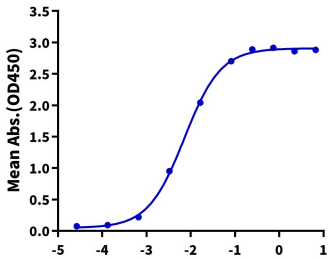
Assay Data



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

ELISA Data

Human HLA-A\*02:01&B2M&NY-ESO-1 (SLLMWITQC) Monomer, His Tag ELISA  
0.5µg Anti-HLA-A\*02:01&B2M&NY-ESO-1 Antibody, hFc Tag Per Well



Immobilized Anti-HLA-A\*02:01&B2M&NY-ESO-1 (SLLMWITQC) Antibody at 5µg/ml (100µl/well) on the plate. Dose response curve for Human HLA-A\*02:01&B2M&NY-ESO-1 (SLLMWITQC) Monomer, His Tag with the EC50 of 7.2ng/ml determined by ELISA.