

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



Cat. No. MHC-HM40N

Description

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| Source | Recombinant Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) 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 SLLMWITQV peptide. |
| Accession | A0A140T913(HLA-A*02:01)&P61769(B2M)&SLLMWITQV |
| Molecular Weight | The protein has a predicted MW of 50.5 kDa. Due to glycosylation, the protein migrates to 55-60 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

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|-----------------------|---|
| 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 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

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.

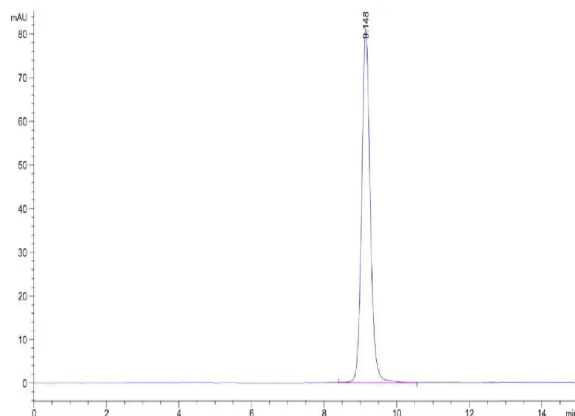
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



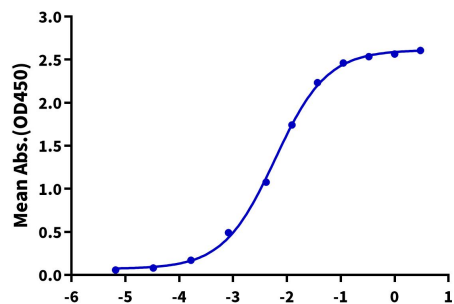
The purity of Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Monomer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

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

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



Immobilized Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQV) Monomer, 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 6.0ng/ml determined by ELISA.

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