

RP02750

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Biotinylated Recombinant Human NY-ESO-1 (HLA-A*02:01) Complex Protein

Catalog No.: RP02750 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells		A0A140T913 (HLA-A*02:01)&P6 1769(B2M)& SLLMWITQC

Tags

C-His&Avi

Synonyms

MHC; MY-ESO-1; CT6.1; LAGE-2;
CTAG1; CTAG1B; ESO1CTAG; LAGE2A;
NY-ESO-1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

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.

Basic Information

Description

Recombinant Biotinylated Human NY-ESO-1 (HLA-A*02:01) Complex Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. ; It contains Gly25-Thr305(HLA-A*02:01),Ile21-Met119(B2M) and SLLMWITQC peptide.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

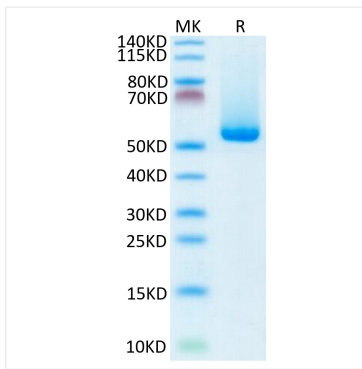
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

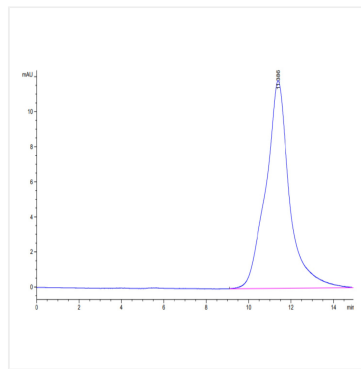
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

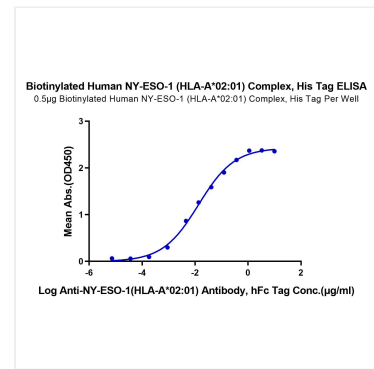
Validation Data



Biotinylated Recombinant Human NY-ESO-1 (HLA-A*02:01) Complex Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human NY-ESO-1 (HLA-A*02:01) Complex was greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human NY-ESO-1 (HLA-A*02:01) Complex, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-NY-ESO-1 (HLA-A*02:01) Antibody, hFc Tag with the EC₅₀ of 13.6ng/ml determined by ELISA.