

# Biotinylated Recombinant Human NY-ESO-1 (HLA-A\*02:01) ,His-Avi Tag

## 产品信息

产品名称	产品编号	规格
Biotinylated Recombinant Human NY-ESO-1 (HLA-A*02:01) ,His-Avi Tag	93018ES60	100 µg
	93018ES76	500 µg

## 产品简介

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.

## 性能参数

<b>Synonyms</b>	MHC; MY-ESO-1; CT6.1; LAGE-2; CTAG1; CTAG1B; NY-ESO-1
<b>Uniprot No.</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)&SLLMWITQC]
<b>Source</b>	Recombinant Biotinylated Human NY-ESO-1 (HLA-A*02:01) Protein is expressed from HEK293 with His tag and Avi tag at the C-terminal. It contains Gly25-Thr305(HLA-A*02:01),Ile21-Met119(B2M) and SLLMWITQC peptide.
<b>Molecular Weight</b>	The protein has a predicted MW of 50.5 kDa. Due to glycosylation, the protein migrates to 51-60 kDa based on Tris-Bis PAGE result.
<b>Purity</b>	> 95% as determined by SDS-PAGE and HPLC.
<b>Endotoxin</b>	<1 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

## 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

## 注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

## 产品数据

### SDS-PAGE

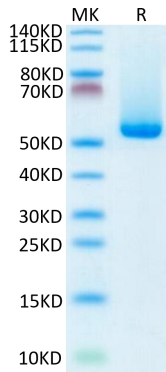


Figure 1. Biotinylated Human NY-ESO-1 (HLA-A\*02:01) on SDS-PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

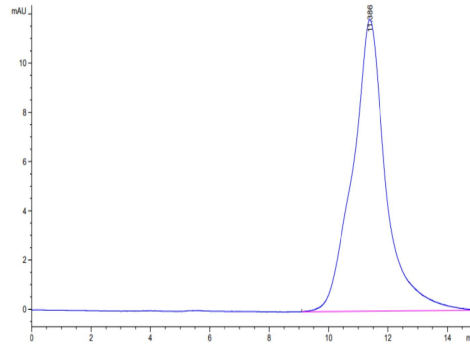
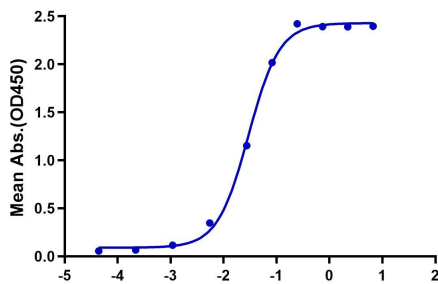


Figure 2. The purity of Biotinylated Human NY-ESO-1 (HLA-A\*02:01) is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human NY-ESO-1 (HLA-A\*02:01), His Tag ELISA

0.5µg Anti-NY-ESO-1 (HLA-A\*02:01) Antibody, hFc Tag Per Well



Log Biotinylated Human NY-ESO-1(HLA-A\*02:01), His Tag Conc.(µg/ml)

Figure 3. Immobilized Anti-NY-ESO-1 (HLA-A\*02:01) Antibody, hFc Tag at 5 µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human NY-ESO-1 (HLA-A\*02:01), His Tag with the EC50 of 29.5ng/ml determined by ELISA.