

HLA-A*02:01 NY-ESO-1 Recombinant Protein | NY-ESO-1 recombinant protein

HLA-A*02:01 NY-ESO-1 peptide complex Tetramer

CATALOG #	HOST
AAA76361	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

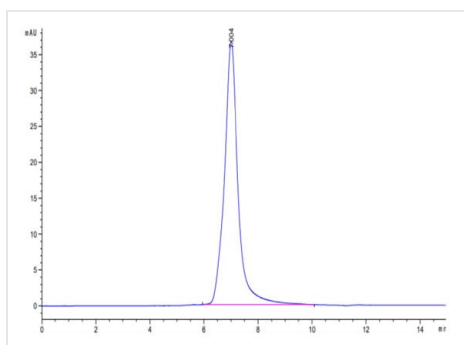
PRODUCT SYNONYMS

HLA-A*02:01 NY-ESO-1; HLA-A*02:01 NY-ESO-1 peptide complex Tetramer; NY-ESO-1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	purity was determined to be >95% by nonreducing PAGE and HPLC
Form/Format	Recombinant (HLA-A*02:01) NY-ESO1 was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding the Human (HLA-A*02:01) AA25-305 [accession# P04439] and the B2M protein AA2-119 [accession# P61769], fused to the mutant NY-ESO-1 epitope SLLMWITQC. This complex includes a C terminal polyHis AVI tag and was expressed in HEK cells, The tetramer conformation was achieved through biotinylation of the monomer and then covalently binding the monomers via an avidin biotin reaction.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



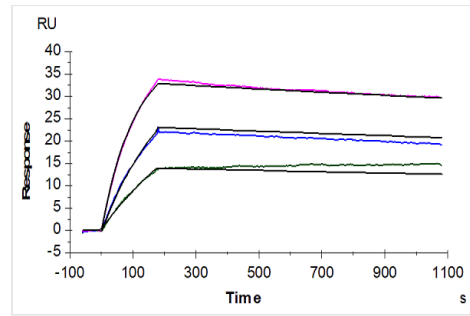
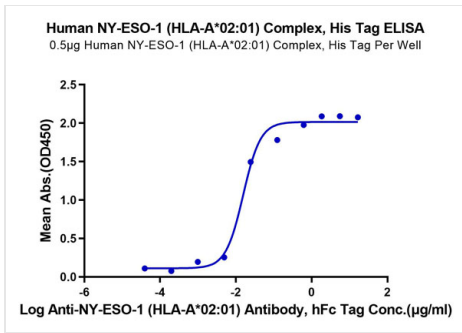
Application Data

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



SDS-PAGE

HLA-A*02:01 NY-ESO-1 peptide complex tetramer PAGE 1ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.



Application Data

HLA-A*02:01 NY-ESO-1 peptide complex tetramer SPRSPR image shows curve for HLA-A*02:01 NY-ESO-1 tetramer and immobilized Antibody binding, with a calculated affinity constant of 15nM

ADDITIONAL INFORMATION

Product Categories/Family for NY-ESO-1 recombinant protein

MHC peptide complexes

NCBI AND UNIPROT INFORMATION

Molecular Weight

Recombinant HLA-A/NY-ESO-1 has a calculated mass of approximately 250kDa. Due to glycosylation migrates as an approximately 260 kDa protein under reducing conditions in SDS-PAGE.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/hla-a-02-01-ny-eso-1-recombinant-protein/76361>