

HLA-A*02:01 gp100 Recombinant Protein | GP100 recombinant protein

HLA-A*02:01 gp100 peptide complex Tetramer

CATALOG #	HOST
AAA76363	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

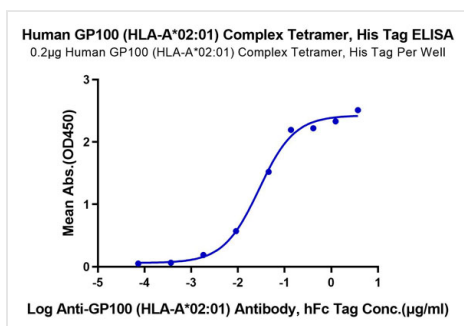
PRODUCT SYNONYMS

HLA-A*02:01 gp100; HLA-A*02:01 gp100 peptide complex Tetramer; GP100 recombinant protein

PRODUCT SPECIFICATIONS

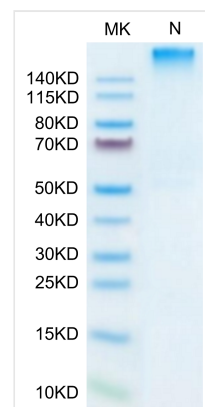
Host	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	purity was determined to be >95% by nonreducing PAGE and HPLC
Form/Format	Recombinant HLA-A*02:01 GP100 Tetramer was lyophilized from 0.2 um filtered 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 GP100 (PMEL) peptide YLEPGPVTA. 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



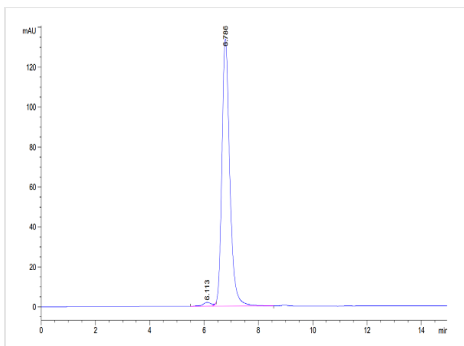
ELISA

HLA-A*02:01 GP100 complex peptide Tetramercomplex ELISADose response curve for Anti-HLA-A*02:01 GP100 Antibody



SDS-PAGE

HLA-A*02:01 GP100 peptide complex Tetramer PAGE1ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.



Application Data

HLA-A*02:01 GP100 complex Tetramer HPLC
The purity of GP100 (HLA-A*02:01) complex Tetramer was greater than 95% as determined by SEC-HPLC.

ADDITIONAL INFORMATION

Product Categories/Family for GP100 recombinant protein	MHC peptide complexes
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Recombinant HLA-A/GP100 Tetramer has a calculated mass of approximately 50kDa. Due to glycosylation migrates as an approximately 60 kDa protein under reducing conditions in SDS-PAGE.
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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.

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Online datasheet: <https://stage.aaabiotech.com/hla-a-02-01-gp100-recombinant-protein-hek-cells/76363>