

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

HLA-A*02:01 gp100 peptide complex

CATALOG #	HOST
AAA76362	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

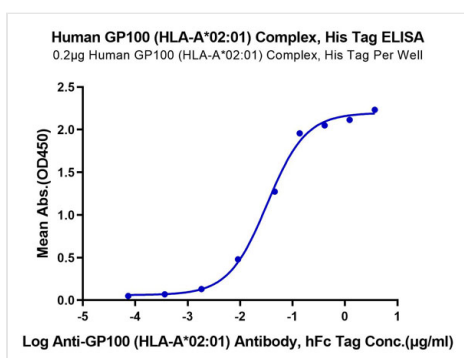
PRODUCT SYNONYMS

HLA-A*02:01 gp100; HLA-A*02:01 gp100 peptide complex; 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 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.
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



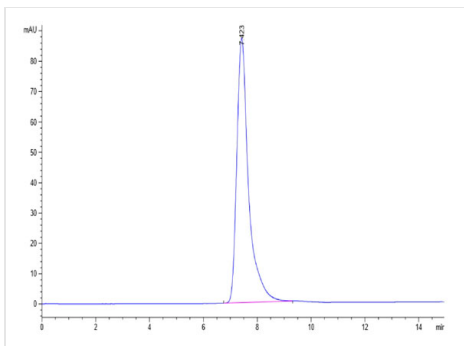
ELISA

HLA-A*02:01 GP100 complex peptide complex ELISA Dose response curve for Anti-HLA-A*02:01 GP100 Antibody



SDS-PAGE

HLA-A*02:01 GP100 peptide complex PAGE 1µg loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.



Application Data

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

ADDITIONAL INFORMATION

Product Categories/Family for GP100 recombinant protein

MHC peptide complexes

NCBI AND UNIPROT INFORMATION

Molecular Weight

Recombinant HLA-A/GP100 has a calculated mass of approximately 50kDa. Due to glycosylation migrates as an approximately 60 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.

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Online datasheet: <https://stage.aaabiotech.com/hla-a-02-01-gp100-recombinant-protein-hek-cells/76362>