

Recombinant Human HLA-A*02:01 & B2M & GP100 (YLEPGPVTA) Protein, Biotinylated

Cat. No. HLA-A*02:01 & B2M & GP100-4619H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human (YLEPGPVTA) Protein(Gly 25 - Thr 305 (HLA-A*02:01) & Ile 21 - Met 119 (B2M) & YLEPGPVTA peptide) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gly 25 - Thr 305 (HLA-A*02:01) & Ile 21 - Met 119 (B2M) & YLEPGPVTA peptide
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	Biotinylated Human HLA-A*02:01&B2M&GP100 (YLEPGPVTA) Complex Protein is produced by co-expression of HLA and B2M loaded with GP100 peptide.This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 36.0 kDa and 13.7 kDa. The protein migrates as 36-40 kDa, 17 kDa and 15 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

GENE INFORMATION

Gene Name

HLA-A major histocompatibility complex, class I, A [Homo sapiens]

Official Symbol

HLA-A

Synonyms

HLA-A; major histocompatibility complex, class I, A; HLA class I histocompatibility antigen, A-1 alpha chain; antigen presenting molecule; leukocyte antigen class I-A; MHC class I antigen HLA-A heavy chain; HLAA; FLJ26655;

Gene ID

3105

mRNA Refseq

NM_001242758

Protein Refseq

NP_001229687

UniProt ID

P01891

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