Recombinant Human HLA-A*02:01&B2M&EW protein, Biotinylated

Cat. No. HLA-A*02:01&B2M&EW-1559H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human HLA-A*02:01&B2M&EW protein(Gly25-Ile308(HLA-A*02:01)&Ile21-Met119(B2M)&QLQNPSYDK) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-308;21-119 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	Molecular CharacterizationBiotinylated Human HLA-A*02:01&B2M&EW (QLQNPSYDK) Complex Protein is produced by co-expression of HLA and B2M loaded with EW peptide.This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 36.3 kDa and 11.7 kDa. The protein migrates as 40-44 kDa and 13 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gly25-Ile308(HLA-A*02:01)&Ile21-Met119(B2M)&QLQNPSYDK
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or 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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