Active Recombinant Human HLA-A*02:01 & B2M & NY-ESO-1 (SLLMWITQC) Protein, Biotinylated

Cat. No. HLA-A*02:01 & B2M & NY-ESO-1-4620H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human (SLLMWITQC) Protein(Gly 25 - Ile 308 (HLA-A*02:01) & Ile 21 - Met 119 (B2M) & SLLMWITQC peptide) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gly 25 - Ile 308 (HLA-A*02:01) & Ile 21 - Met 119 (B2M) & SLLMWITQC peptide
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Biotinylated Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Complex Protein at 1 μg/mL (100 μL/well) on streptavidin precoated (0.5 μg/well) plate can bind Anti-NY-ESO-1 Antibody, Human IgG1 with a linear range of 0.1-8 ng/mL.
Molecular Mass	Biotinylated Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Complex Protein is produced by co-expression of HLA and B2M loaded with NY-ESO-1 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 13.8 kDa. The protein migrates as 42-45 kDa and 14 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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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