# PE-Labeled Human Peptide Ready HLA-A*11:01&B2M Tetramer Protein

**Cat. No.** MHC-HM41RTP

## Description

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| **Source** | Recombinant PE-Labeled Human Peptide Ready HLA-A*11:01&B2M Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human Peptide Ready HLA-A*11:01&B2M Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin |
| | It contains Gly25-Thr305 (HLA-A*11:01) and Ile21-Met119 (B2M). |
| **Accession** | AAV53343.1(HLA-A*11:01)&P61769(B2M) |
| **Wavelength** | Excitation Wavelength: 488 nm / 561 nm |
| | Emission Wavelength: 575 nm |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |

## Formulation and Storage

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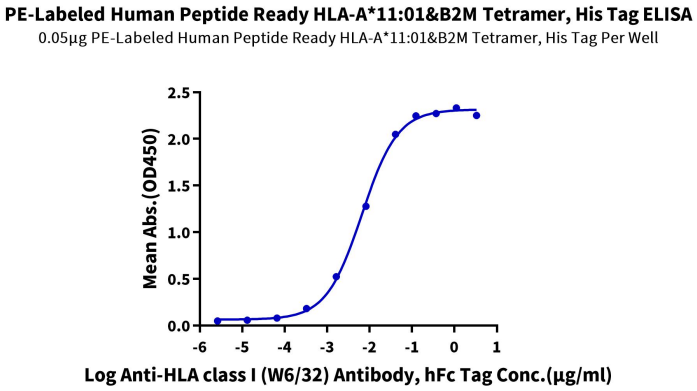
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS, 0.2% BSA (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt -80°C for 3-6 months after reconstitution 2-8°C for 2-7 days after reconstitution Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Peptide Ready HLA-A*11:01&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*11:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

## Assay Data

### ELISA Data




Immobilized PE-Labeled Human Peptide Ready HLA-A*11:01&B2M Tetramer, His Tag at 0.5 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 6.6 ng/ml determined by ELISA.