

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



Cat. No. MHC-HM41RTP

## Description

|            |                                                                                                                                                                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|             |                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation | Supplied as 0.22 µm filtered solution in PBS, 100mM L-Arginine, 0.2% BSA (pH 7.4).                                                                                             |
| Storage     | Valid for 6 months from date of receipt when stored at -80°C Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

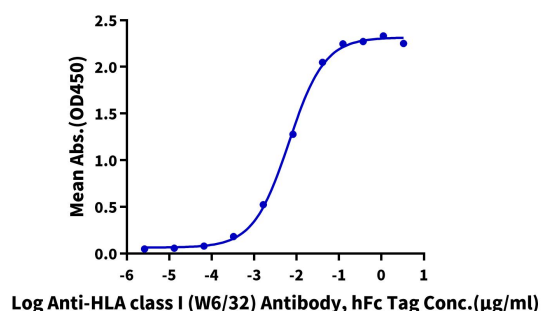
Peptide Ready HLA-A\*11:01&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A\*11:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput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

## Assay Data

### ELISA Data

#### PE-Labeled Human Peptide Ready HLA-A\*11:01&B2M Tetramer, His Tag ELISA

0.05µg PE-Labeled Human Peptide Ready HLA-A\*11:01&B2M Tetramer, His Tag Per Well



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.