

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



Cat. No. MHC-HM41RTF

## Description

|                  |                                                                                                                                           |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant FITC-equivalent Human Peptide Ready HLA-A*11:01&B2M Tetramer Protein is expressed from HEK293 with His tag at the C-terminus. |
|                  | It contains Gly25-Thr305 (HLA-A*11:01) and Ile21-Met119 (B2M).                                                                            |
| Accession        | AAV53343.1(HLA-A*11:01)&P61769(B2M)                                                                                                       |
| Molecular Weight | The protein has a predicted MW of 301.6 kDa.                                                                                              |
| Wavelength       | Excitation Wavelength: 490 nm                                                                                                             |
|                  | Emission Wavelength: 520 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, 300mM NaCl (pH 7.4).                                                                                                               |
| Storage     | Valid for 12 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

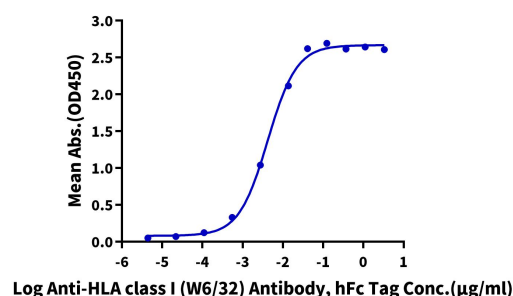
Peptide Ready HLA-A\*11:01&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A\*11:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput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

## Assay Data

### ELISA Data

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

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



Immobilized FITC-equivalent Human Peptide Ready HLA-A\*11:01&B2M Tetramer, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 4.2ng/ml determined by ELISA.