

# PE-Labeled Human Peptide Ready HLA-A\*02:01&B2M Tetramer Protein

Cat. No. MHC-HM43RTP

## Description

**Source** Recombinant PE-Labeled Human Peptide Ready HLA-A\*02:01&B2M Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human Peptide Ready HLA-A\*02:01&B2M Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin

It contains Gly25-Thr305 (HLA-A\*02:01) and Ile21-Met119 (B2M).

**Accession** A0A140T913(HLA-A\*02:01)&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, 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

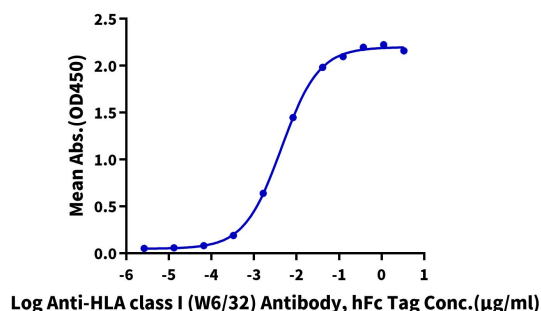
Peptide Ready HLA-A\*02:01&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A\*02:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

## Assay Data

### ELISA Data

#### PE-Labeled Human Peptide Ready HLA-A\*02:01&B2M Tetramer, His Tag ELISA

0.05µg PE-Labeled Human Peptide Ready HLA-A\*02:01&B2M Tetramer, His Tag Per Well



Immobilized PE-Labeled Human Peptide Ready HLA-A\*02:01&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 4.4 ng/ml determined by ELISA.