

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

Cat. No. MHC-HM43RTC

## Description

<b>Source</b>	Recombinant APC-equivalent Human Peptide Ready HLA-A*02:01&B2M Tetramer Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly25-Thr305 (HLA-A*02:01) and Ile21-Met119 (B2M).
<b>Accession</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)
<b>Molecular Weight</b>	The protein has a predicted MW of 293.2 kDa.
<b>Wavelength</b>	Excitation Wavelength: 609 nm Emission Wavelength: 643 nm
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS, 300mM NaCl (pH 7.4).
<b>Storage</b>	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.

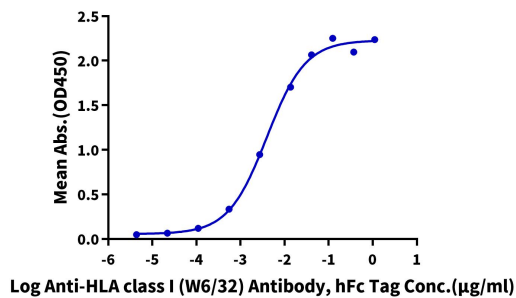
## Background

Peptide Ready HLA-A\*02:01&B2M Tetramer 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

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



Immobilized APC equivalent Human Peptide Ready HLA-A\*02:01&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 4.0ng/ml determined by ELISA.