

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



Cat. No. MHC-HM43RTF

## Description

Source	Recombinant FITC-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).
Accession	A0A140T913(HLA-A*02:01)&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	Lyophilized from 0.22 µm filtered solution in PBS, 300mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

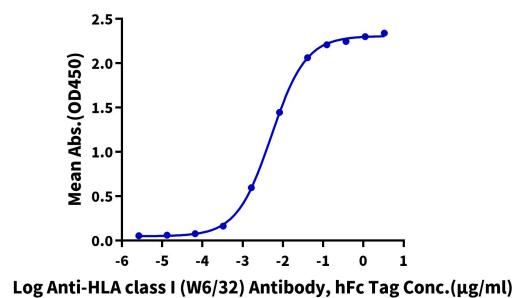
Peptide Ready HLA-A\*02:01&B2M Tetramer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A\*02:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput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

## Assay Data

### ELISA Data

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

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



Immobilized FITC-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 5.1ng/ml determined by ELISA.