

# FITC-equivalent Human Peptide Ready HLA-A\*24:02&B2M Tetramer Protein

Cat. No. MHC-HM46RTF

## Description

**Source** Recombinant FITC-equivalent Human Peptide Ready HLA-A\*24:02&B2M Tetramer Protein is expressed from HEK293 with His tag at the C-terminus.

It contains Gly25-Thr305 (HLA-A\*24:02) and Ile21-Met119 (B2M).

**Accession** AAA59600.1(HLA-A\*24:02)&P61769(B2M)

**Molecular Weight** The protein has a predicted MW of 300.8 kDa.

**Wavelength** Excitation Wavelength: 490 nm

Emission Wavelength: 520 nm

**Endotoxin** Less than 1EU 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

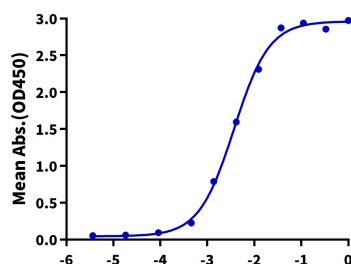
Peptide Ready HLA-A\*24:02&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A\*24:02. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

## Assay Data

### ELISA Data

#### FITC-equivalent Human Peptide Ready HLA-A\*24:02&B2M Tetramer, His Tag ELISA

0.05µg FITC-equivalent Human Peptide Ready HLA-A\*24:02&B2M Tetramer, His Tag Per Well



Log Anti-HLA class I (W6/32) Antibody, hFc Tag Conc.(µg/ml)

Immobilized FITC-equivalent Human Peptide Ready HLA-A\*24:02&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 3.7ng/ml determined by ELISA.