

PE-Labeled Human Peptide Ready HLA-A*03:01&B2M Tetramer Protein

Cat. No. MHC-HM44RTP

Description

Source Recombinant PE-Labeled Human Peptide Ready HLA-A*03:01&B2M Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human Peptide Ready HLA-A*03:01&B2M Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin.

It contains Gly25-Thr305(HLA-A*03:01) and Ile21-Met119(B2M).

Accession NP_002107.3(HLA-A*03:01)&P61769(B2M)

Wavelength Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 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 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

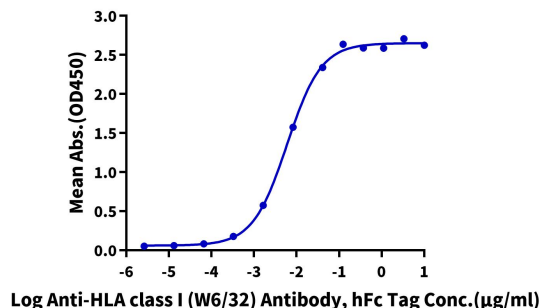
Peptide Ready HLA-A*03:01&B2M Tetramer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*03:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

Assay Data

ELISA Data

PE-Labeled Human Peptide Ready HLA-A*03:01&B2M Tetramer, His Tag ELISA

0.05 μg PE-Labeled Human Peptide Ready HLA-A*03:01&B2M Tetramer, His Tag Per Well



Immobilized PE-Labeled Human Peptide Ready HLA-A*03:01&B2M Tetramer, His Tag at 0.5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 6.0ng/ml determined by ELISA.