

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, 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

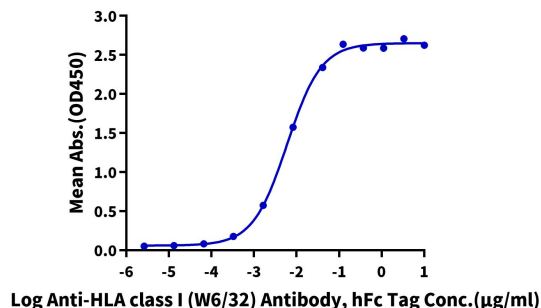
Peptide Ready HLA-A*03:01&B2M Tetramer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*03:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput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