

PE-Labeled Human Peptide Ready HLA-A\*02:01&B2M Tetramer Protein



Cat. No. MHC-HM43RTP

Description

Source	Recombinant PE-Labeled Human Peptide Ready HLA-A*02:01&B2M Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human Peptide Ready HLA-A*02:01&B2M Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin It contains Gly25-Thr305 (HLA-A*02:01) and Ile21-Met119 (B2M).
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
Endotoxin	Less than 1 EU per µg by the LAL method.

Formulation and Storage

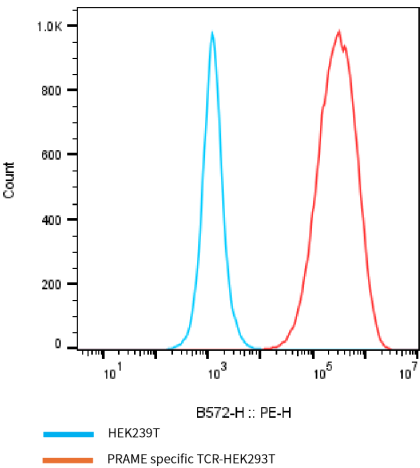
Formulation	Supplied as 0.22 µm filtered solution in PBS, 100mM L-arginine, 0.2% BSA (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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

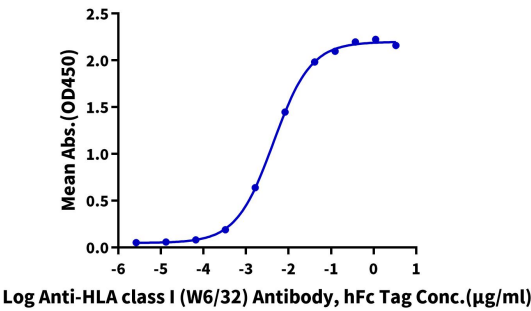
FACS Data



1E6 of PRAME specific TCR-HEK293T cell line were stained with 100ul of 10ug/ml PE-Human Peptide Ready HLA-A\*02:01&B2M Tetramer Protein (Cat. MHC-HM43RTP) (Loaded PRAME Peptide SLLQHLIGL) and non-transfected HEK293T cells and PE-Labeled protein were used as negative control. The binding activity was evaluated by PE signal.

ELISA Data

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



Immobilized PE-Labeled Human Peptide Ready HLA-A\*02:01&B2M Tetramer, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 4.4 ng/ml determined by ELISA.