

PE-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer Protein



Cat. No. MHC-HM415TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and HMTEVVRHC peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&HMTEVVRHC
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	Lyophilized from 0.22 µm filtered solution in 20 mM PB, 500 mM NaCl, 0.2% BSA (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

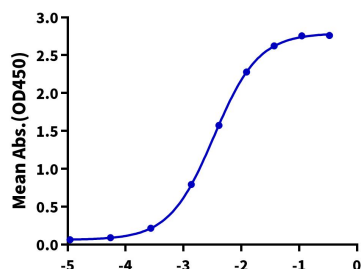
p53 is a tumor suppressor protein. Under stressful conditions, p53 tightly regulates cell growth by promoting apoptosis and DNA repair. When p53 becomes mutated, it loses its function, resulting in abnormal cell proliferation and tumor progression. Depending on the p53 mutation, it has been shown to form aggregates leading to negative gain of function of the protein. p53 mutant associated aggregation has been observed in several cancer tissues and has been shown to promote tumor growth.

Assay Data

ELISA Data

PE-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC), His Tag ELISA

0.2 µg PE-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC), His Tag Per Well



Log Anti-HLA-A*02:01&B2M&P53 R175H Antibody, hFc Tag Conc. (µg/ml)

Immobilized PE-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer, His Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC) Antibody, hFc Tag with the EC50 of 3.4 ng/ml determined by ELISA.