

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



Cat. No. MHC-HM416TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&P53 WT (HMTEVRRRC) 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 WT (HMTEVRRRC) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and HMTEVRRRC peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&HMTEVRRRC
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 0.22µm 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 and protect from light.

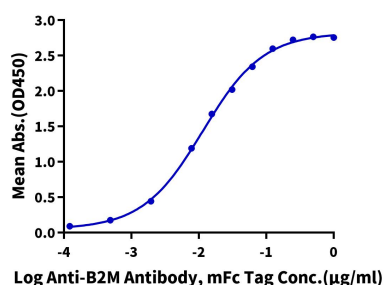
Background

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 WT (HMTEVRRRC) Tetramer, His Tag ELISA
0.1µg PE-Labeled Human HLA-A*02:01&B2M&P53 WT (HMTEVRRRC) Tetramer, His Tag Per Well



Immobilized PE-Labeled Human HLA-A*02:01&B2M&P53 WT (HMTEVRRRC) Tetramer, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 11.5ng/ml determined by ELISA (QC Test).