

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



Cat. No. MHC-HE011TC

Description

Source	Recombinant APC-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and HMTEVVRHC peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&HMTEVVRHC
Endotoxin	Less than 1 EU per µg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl, 0.2% BSA (pH 8.0).
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.

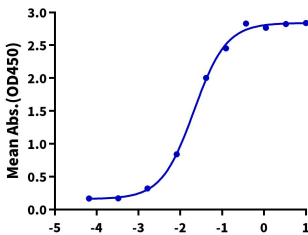
Background

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

APC-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC), His Tag ELISA
0.2µg Anti-HLA-A*02:01&B2M&P53 R175H Antibody, hFc Tag Per Well



Immobilized Anti-HLA-A*02:01&B2M&P53 R175H Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for APC-Labeled Human HLA-A*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer, His Tag with the EC50 of 21.1ng/ml determined by ELISA.