

Cat. No. MHC-HM10BTC

**Description**

**Source** Recombinant APC-equivalent Human HLA-A\*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer Protein is expressed from HEK293 with His 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

**Molecular Weight** The protein has a predicted MW of 301.2 kDa.

**Endotoxin** Less than 1EU per µg by the LAL method.

**Formulation and Storage**

**Formulation** Supplied as 0.22 µm filtered solution in PBS, 300mM NaCl (pH 7.4).

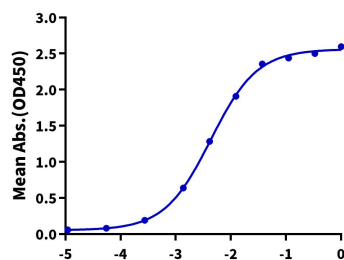
**Storage** Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**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-equivalent Human HLA-A\*02:01&B2M&P53 R175H (HMTEVVRHC), His Tag ELISA**  
0.5µg APC-equivalent 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 APC-equivalent Human HLA-A\*02:01&B2M&P53 R175H (HMTEVVRHC) Tetramer, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-HLA-A\*02:01&B2M&P53 R175H (HMTEVVRHC) Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA.