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

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

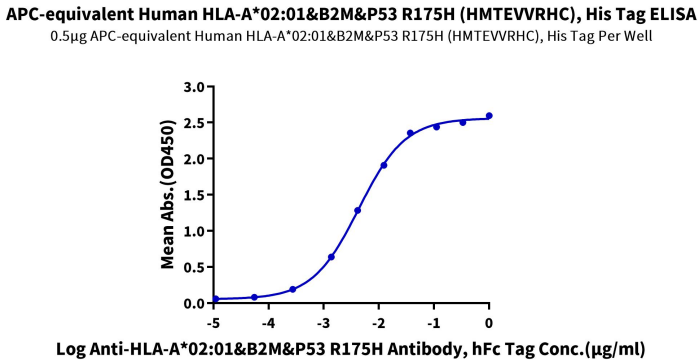
Formulation	Supplied as 0.22 μm filtered solution in PBS, 300mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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



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.