PE-Labeled Human HLA-A*02:01&B2M&WT-1 (RMFPNAPYL) Tetramer Protein

Cat. No. MHC-HE010TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&WT-1 (RMFPNAPYL) Tetramer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. PE-Labeled Human HLA-A*02:01&B2M&WT-1 (RMFPNAPYL) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin.
	It contains Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and RMFPNAPYL peptide.
Accession	A0A140T913 (HLA-A*02:01) & P61769 (B2M) & RMFPNAPYL
Wavelength	Excitation Wavelength: 488 nm / 561 nm
	Emission Wavelength: 575 nm

Formulation and Storage

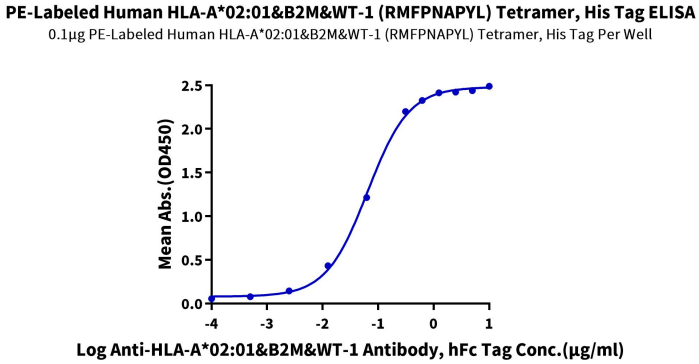
Formulation	Supplied as 0.22 μm filtered solution in 20 mM Tris, 200 mM NaCl, 0.2% BSA (pH 8.0).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The WT1 protein plays a role in cell growth, the process by which cells mature to perform specific functions (differentiation), and the self-destruction of cells (apoptosis). WT1 is differentially expressed in serous, endometrioid, clear cell, and mucinous carcinomas of the peritoneum, fallopian tube, ovary, and endometrium. The Human HLA-A*0201 WT-1 (RMFPNAPYL) complex protein is a complex of HLA-A*0201 of the MHC Class I, B2M and RMFPNAPYL peptide of the WT-1.

Assay Data

ELISA Data



Immobilized PE-Labeled Human HLA-A*02:01&B2M&WT-1 (RMFPNAPYL) Tetramer, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&WT-1 (RMFPNAPYL) Antibody, hFc Tag with the EC50 of 88.9ng/ml determined by ELISA.