

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

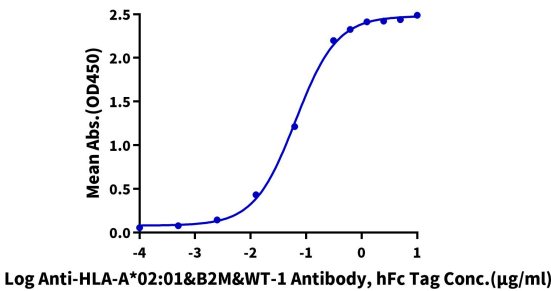
| Formulation and Storage |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
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| 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

PE-Labeled Human HLA-A\*02:01&B2M&WT-1 (RMFPNAPYL) Tetramer, His Tag ELISA  
0.1µg PE-Labeled Human HLA-A\*02:01&B2M&WT-1 (RMFPNAPYL) Tetramer, His Tag Per Well



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.