PE-Labeled Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer Protein

Cat. No. MHC-HM405TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin.
	It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and SLLMWITQC peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&SLLMWITQC
Wavelength	Excitation Wavelength: 488 nm / 561 nm
	Emission Wavelength: 575 nm
Endotoxin	Less than 1EU per μg by the LAL method.

Formulation and Storage

Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 100mM L-Arginine, 0.2% BSA (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

NY-ESO-1 or New York esophageal squamous cell carcinoma 1 is a well-known cancer-testis antigen (CTAs) with re-expression in numerous cancer types. Its ability to elicit spontaneous humoral and cellular immune responses, together with its restricted expression pattern, have rendered it a good candidate target for cancer immunotherapy.