

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



Cat. No. MHC-HE446TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer Protein is expressed from E.coli with His tag and Avi tag at the C-Terminus,tetramer is assembled by biotinylated monomer and 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 1 EU per µg by the LAL method.

Formulation and Storage

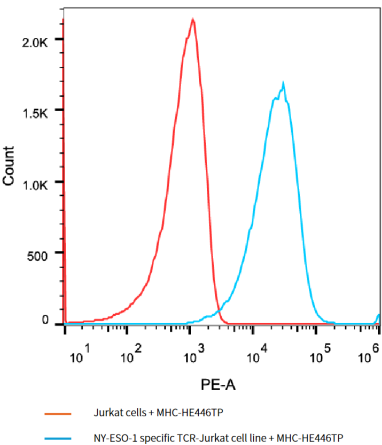
Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl, 0.2% BSA (pH 8.0).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

Assay Data

FACS Data



1E6 of NY-ESO-1 specific TCR-Jurkat cell line were stained with 100 ul of 10 ug/ml PE-Labeled Human HLA-A*02:01&B2M&NY-ESO-1 (SLLMWITQC) Tetramer Protein (Cat. No. MHC-HE446TP) and non-transfected Jurkat cells and PE-Labeled protein were used as negative control. PE signal was used to evaluate the binding activity.