PE-Labeled Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Tetramer Protein

Cat. No. MHC-HM432TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin.
	It contains Gly25-Thr305(HLA-A*02:03), Ile21-Met119(B2M) and FMNKFIYEI peptide.
Accession	AAA03604.1(HLA-A*02:03)&P61769(B2M)&FMNKFIYEI
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 0.22μm filtered solution in PBS, 0.2% BSA (pH 7.4).
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

Alpha-fetoprotein (AFP), a specific liver cancer marker, T cells expressing AFP-CAR selectively degranulated, released cytokines, and lysed liver cancer cells that were HLA-A*02:01 /AFP while sparing cells from multiple tissue types that were negative for either expressed proteins.CAR T-cell immunotherapy targeting intracellular/secreted solid tumor antigens can elicit a potent antitumor response.