

PE-Labeled Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Tetramer Protein

Cat. No. MHC-HM407TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-labeled Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and FMNKFIYEI peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&FMNKFIYEI
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	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

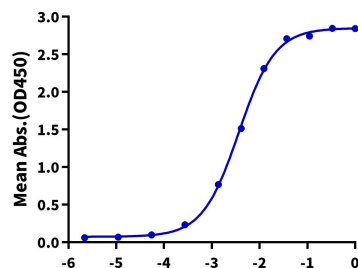
Alpha-fetoprotein (AFP), a specific liver cancer marker, T cells expressing AFP-CAR selectively degranulated, released cytokines, and lysed liver cancer cells that were HLA-A*02:01 /AFP while sparing cells from multiple tissue types that were negative for either expressed proteins. CAR T-cell immunotherapy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

Assay Data

ELISA Data

PE-Labeled Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Tetramer, His Tag ELISA

0.1µg PE-Labeled Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Tetramer, His Tag Per Well



Log Anti-HLA-A*02:01&B2M&AFP Antibody, hFc Tag Conc. (µg/ml)

Immobilized PE-Labeled Human HLA-A*02:01&B2M&AFP (FMNKFIYEI) Tetramer, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&AFP (FMNKFIYEI) Antibody, hFc Tag with the EC50 of 36.8ng/ml determined by ELISA.