

Cat. No. MHC-HE039TP

Description	
Source	Recombinant PE-Labeled Human HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK) Tetramer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. PE-Labeled Human HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin.
	It contains Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M) and KITDFGRAK peptide.
Accession	AAV53343.1(HLA-A*11:01)&P61769(B2M)&KITDFGRAK
Wavelength	Excitation Wavelength: 488 nm / 561 nm
	Emission Wavelength: 575 nm
Endotoxin	Less than 1EU per µg by the LAL method.

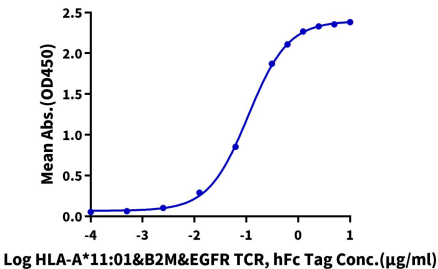
Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS, 0.2% BSA (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
The epidermal growth factor receptor is a transmembrane protein that is a receptor for members of the epidermal growth factor family of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR, HER2/neu, Her 3 and Her 4. Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses.	

Assay Data

ELISA Data

PE-Labeled Human HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK) Tetramer, His Tag ELISA
0.2µg PE-Labeled Human HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK) Tetramer, His Tag Per Well



Immobilized PE-Labeled Human HLA-A*11:01&B2M&EGFR L858R (KITDFGRAK) Tetramer, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for HLA-A*11:01&B2M&EGFR TCR, hFc Tag with the EC50 of 0.11µg/ml determined by ELISA.