

PE-Labeled Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Tetramer Protein



Cat. No. MHC-HM420TP

Description

Source Recombinant PE-Labeled Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-labeled Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin.

It contains Gly25-Thr305(HLA-A*11:01), Ile21-Met119(B2M) and VVVGADGVGK peptide.

Accession AAV53343.1(HLA-A*11:01)&P61769(B2M)&VVVGADGVGK

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, 0.2% BSA. 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

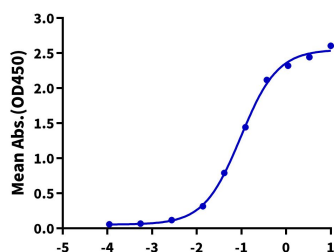
Kirsten rat sarcoma 2 viral oncogene homolog (KRAS) is the most commonly mutated oncogene in human cancer. The developments of many cancers depend on sustained expression and signaling of KRAS, which makes KRAS a high-priority therapeutic target. The virtual screening approach to discover novel KRAS inhibitors and synthetic lethality interactors of KRAS are discussed in detail.

Assay Data

ELISA Data

PE-Labeled Human HLA-A*11:01&B2M&KRAS G12D Tetramer, His Tag ELISA

0.1 µg HLA-A*11:01&B2M&KRAS G12D TCR Per Well



Immobilized HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) TCR at 1 µg/ml (100 µl/well) on the plate. Dose response curve for PE-Labeled Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Tetramer, His Tag with the EC50 of 96.7 ng/ml determined by ELISA.

Log PE-Labeled Human HLA-A*11:01&B2M&KRAS G12D Tetramer, His Tag Conc.(µg/ml)