

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 Supplied as 0.22 μm 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

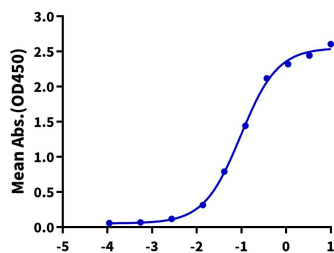
Kirsten rat sarcoma 2 viral oncogene homolog (KRAS) is the most commonly mutated oncogene in human cancer. The developments of many cancers depend on sustained expression and signaling of KRAS, which makes KRAS a high-priority therapeutic target. The virtual screening approach to discover novel KRAS 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 $1\mu\text{g}/\text{ml}$ ($100\mu\text{l}/\text{well}$) on the plate. Dose response curve for PE-Labeled Human HLA-A*11:01&B2M&KRAS G12D (VVVGADGVGK) Tetramer, His Tag with the EC_{50} of $96.7\text{ng}/\text{ml}$ determined by ELISA.

Log PE-Labeled Human HLA-A*11:01&B2M&KRAS G12D Tetramer, His Tag Conc.($\mu\text{g}/\text{ml}$)