

PE-Labeled Human HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK) Tetramer Protein



Cat. No. MHC-HE005TP

Description

Source Recombinant PE-Labeled Human HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK) 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&KRAS G12V (VVVGAVGVGK) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin.

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

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

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 20mM Tris, 200mM NaCl, 0.2% BSA (pH 8.0).

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.