PE-Labeled Human HLA-A*03:01&B2M&KRAS G12D (VVVGADGVGK) Tetramer Protein

Cat. No. MHC-HM468TP

Description

Source	Recombinant PE-Labeled Human HLA-A*03:01&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*03:01&B2M&KRAS G12D (VVVGADGVGK) Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin.
	It contains Gly25-Thr305(HLA-A*03:01), Ile21-Met119(B2M) and VVVGADGVGK peptide.
Accession	NP_002107.3(HLA-A*03:01)&P61769(B2M)&VVVGADGVGK
Wavelength	Excitation Wavelength: 488 nm / 561 nm
	Emission Wavelength: 575 nm

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS, 300mM NaCl (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.

For Research Use Only