

PE-Labeled Human HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK) Tetramer Protein



Cat. No. MHC-HM418TP

Description

Source	Recombinant PE-Labeled Human HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human KRAS G12V (HLA-A*03:01) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin It contains Gly25-Thr305(HLA-A*03:01), Ile21-Met119(B2M) and VVVGAVGVGK peptide.
Accession	NP_002107.3(HLA-A*03:01)&P61769(B2M)&VVVGAVGVGK
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
Endotoxin	Less than 1 EU 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.

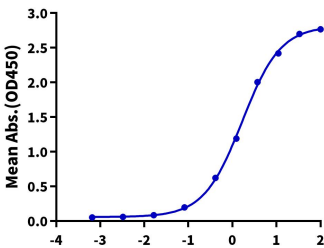
Background

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*03:01&B2M&KRAS G12V (VVVGAVGVGK), His Tag ELISA
0.5µg PE-Labeled Human HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK), His Tag Per Well



Immobilized PE-Labeled Human HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK) Tetramer, His Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA-A*03:01&B2M&KRAS G12V (VVVGAVGVGK) Antibody, hFc Tag with the EC50 of 1.67 µg/ml determined by ELISA.