

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



Cat. No. MHC-HM418TP

## Description

<b>Source</b>	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.
<b>Accession</b>	NP_002107.3(HLA-A*03:01)&P61769(B2M)&VVVGAVGVGK
<b>Wavelength</b>	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS, 0.2% BSA (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

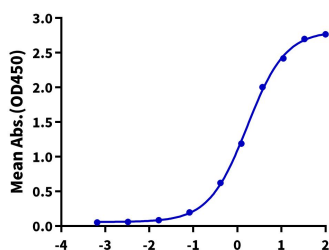
Kirsten rat sarcoma 2 viral oncogene homolog (KRAS) is the most commonly mutated oncogene in human cancer. The developments of many cancers depend on sustained expression and signaling of KRAS, which makes KRAS a high-priority therapeutic target. The virtual screening approach to discover novel KRAS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

## Assay Data

### ELISA Data

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

Log Anti-HLA-A\*03:01&B2M&KRAS G12V (VVVGAVGVGK) Antibody, hFc Tag Conc.(µg/ml)