

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



Cat. No. MHC-HM421TP

Description

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

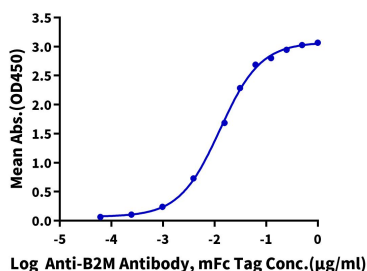
Kirsten rat sarcoma 2 viral oncogene homolog (KRAS) is the most commonly mutated oncogene in human cancer. The developments of many cancers depend on sustained expression and signaling of KRAS, which makes KRAS a high-priority therapeutic target. The virtual screening approach to discover novel KRAS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

Assay Data

ELISA Data

PE-labeled Human HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK) Tetramer, His Tag ELISA

0.05µg PE-labeled Human HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK) Tetramer, His Tag Per Well



Immobilized PE-labeled Human HLA-A*11:01&B2M&KRAS G12V (VVVGAVGVGK) Tetramer, His Tag at 0.5µg/ml(100µl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 12.8ng/ml determined by ELISA (QC Test).