

# PE-Labeled Human HLA-B\*07:02&B2M&KRAS G12D (GADGVGKSAL) Tetramer Protein



Cat. No. MHC-HM469TP

## Description

<b>Source</b>	Recombinant PE-Labeled Human HLA-B*07:02&B2M&KRAS G12D (GADGVGKSAL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. PE-Labeled Human HLA-B*07:02&B2M&KRAS G12D (GADGVGKSAL) Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin. It contains Gly25-Val309(HLA-B*07:02), Ile21-Met119(B2M) and GADGVGKSAL peptide.
<b>Accession</b>	P01889(HLA-B*07:02)&P61769(B2M)&GADGVGKSAL
<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>	Supplied as 0.22 µm filtered solution in 20mM PB, 450mM NaCl (pH 7.4).
<b>Storage</b>	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.