

Cat. No. MHC-HM62RT8

**Description**

<b>Source</b>	Recombinant Alexa Fluor 488-Labeled Human Peptide Ready HLA-B*27:05&B2M Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Gly25-Pro300 (HLA-B*27:05) and Ile21-Met119 (B2M).
<b>Accession</b>	AAA36221.1(HLA-B*27:05)&P61769(B2M)
<b>Molecular Weight</b>	The protein has a predicted MW of 253.6 kDa.
<b>Wavelength</b>	Excitation Wavelength: 488 nm Emission Wavelength: 517 nm

**Formulation and Storage**

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS, 100mM L-arginine, 0.2% BSA (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**

HLA-B\*27:05&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-B\*27:05. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.