PE-Labeled Human HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV) Tetramer Protein

Cat. No. MHC-HM458TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. PE-Labeled Human HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin.
	It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and NLVPMVATV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&NLVPMVATV
Wavelength	Excitation Wavelength: 488 nm / 561 nm
	Emission Wavelength: 575 nm

Formulation and Storage

Formulation	Supplied as 0.22μm 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

Human cytomegalovirus (CMV) is one of the major causes of severe complications in immunocompromised patients, such as recipients of hematopoietic cells, solid organ transplantation, and HIV-infected individuals. CMV is also a major pathogen in congenital infection. It can cause life-threatening diseases and severe neurological sequelae in newborn infants. CMV phosphoprotein pp65 is thought to be a major antigen for CMV-specific cellular immunity.

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