



Synonym

HLA-A*0101 & B2M & CMV pp65 (YSEHPTFTSQY)

Source

PE-Labeled Human HLA-A*01:01&B2M&CMV pp65 (YSEHPTFTSQY) Tetramer Protein (HL5-HP3E3) is expressed from CHO cells. It contains AA Gly 25 - Thr 305 (HLA-A*01:01) & Ile 21 - Met 119 (B2M) & YSEHPTFTSQY peptide (Accession # [Q5SUL5](#) (HLA-A*01:01) & [P61769](#) (B2M) & YSEHPTFTSQY).

Predicted N-terminus: Ile 21

Molecular Characterization

PE-Labeled Human HLA-A*01:01&B2M&CMV pp65 (YSEHPTFTSQY) Tetramer Protein is assembled by biotinylated monomer and PE-labeled streptavidin.

Biotinylated Human HLA-A*01:01&B2M&CMV pp65 (YSEHPTFTSQY) Complex Protein is produced by co-expression of HLA-A*01:01 and B2M loaded with CMV pp65 peptide. Biotinylated Human HLA-A*01:01&B2M&CMV pp65 (YSEHPTFTSQY) Complex Protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 1% BSA, 50-150 mM NaCl with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

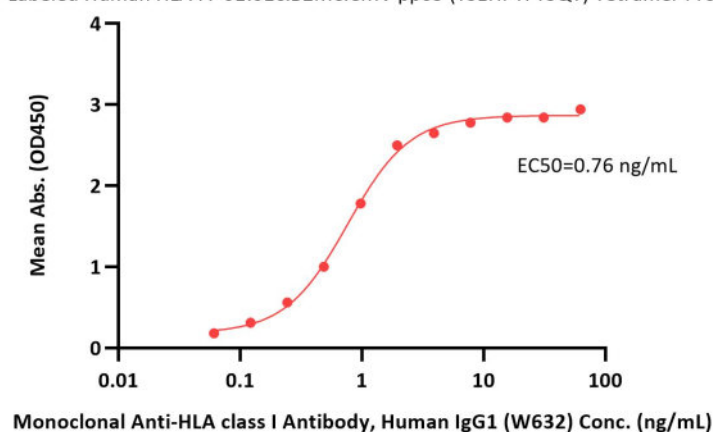
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Bioactivity-ELISA

PE-Labeled Human HLA-A*01:01&B2M&CMV pp65 (YSEHPTFTSQY) Tetramer Protein ELISA
0.1 µg of PE-Labeled Human HLA-A*01:01&B2M&CMV pp65 (YSEHPTFTSQY) Tetramer Protein per well



Immobilized PE-Labeled Human HLA-A*01:01&B2M&CMV pp65 (YSEHPTFTSQY) Tetramer Protein (Cat. No. HL5-HP3E3) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-HLA class I Antibody, Human IgG1 (W632) with a linear range of 0.06-2 ng/mL (QC tested).

Background

Cytomegalovirus (Cytomegalovirus) is a herpes viral DNA virus. Human cytomegalovirus (HCMV) can only infect humans and multiply in humans. The antibodies. After primary infection with CMV, the body can produce specific antibodies and killer T lymphocytes to activate NM cells. The antibody has limited CMV replication ability and has a certain resistance to reinfection of the same strain, but cannot resist the activation of antibody-dependent virus and the exogenous infection of other different strains of CMV. However, specific killer T lymphocytes and antibody-dependent cytotoxic cells can exert the greatest antiviral effect.

Discounts, Gifts,
and more!



www.acrobiosystems.com