



Source

PE-Labeled Human HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV) Tetramer Protein(HLC-HP2H6) is expressed from human 293 cells (HEK293). It contains AA Gly 25 - Ile 308 (HLA-A*02:01) & Ile 21 - Met 119 (B2M) & NLVPMVATV peptide (Accession # [AAA59606.1](#) (HLA-A*02:01) & [P61769](#) (B2M) & NLVPMVATV).

Predicted N-terminus: Gly 25 & Ile 21

Molecular Characterization

PE-Labeled Human HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV) Tetramer Protein is assembled by biotinylated monomer (HLC-H82E5) and PE-labeled streptavidin.

Biotinylated Human HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV) Complex Protein is produced by co-expression of HLA and B2M loaded with CMV pp65 peptide. Biotinylated Human HLA-A*02:01&B2M&CMV pp65 (NLVPMVATV) 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

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 1% BSA, pH7.4 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.

Background

Cytomegalovirus (Cytomegalovirus) is a herpes viral D 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. The Human HLA-A*0201 CMV (NLVPMVATV) complex protein is a complex of HLA-A*0201 of the MHC Class I, B2M, and NLVPMVATV peptide of the CMV.

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