



Synonym

HLA-A*0201 & B2M & MAGE-A10 (GLYDGMEHL)

Source

PE-Labeled Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Tetramer Protein(HLM-HP2H8) is expressed from human 293 cells (HEK293). It contains AA Gly 25 - Ile 308 (HLA-A*02:01) & Ile 21 - Met 119 (B2M) & GLYDGMEHL peptide (Accession # [AAA59606.1](#) (HLA-A*02:01) & [P61769](#) (B2M) & GLYDGMEHL). Predicted N-terminus: Gly 25 & Ile 21

Molecular Characterization

PE-Labeled Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Tetramer Protein is assembled by biotinylated monomer (HLM-H82Ec) and PE-labeled streptavidin. Biotinylated Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Complex Protein is produced by co-expression of HLA and B2M loaded with MAGE-A10 peptide. Biotinylated Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) 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, pH7.4 with trehalose as protectant.
Contact us for customized product form or formulation.

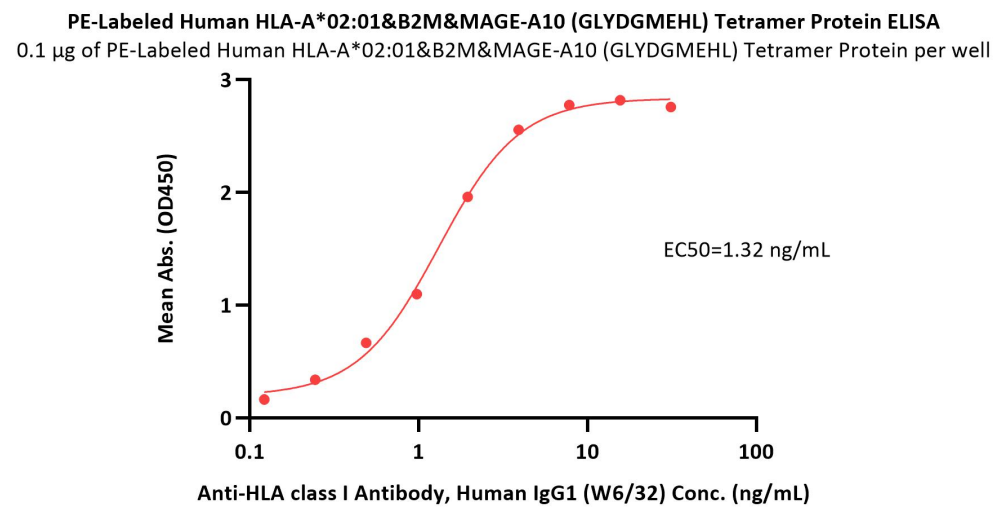
Reconstitution

Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

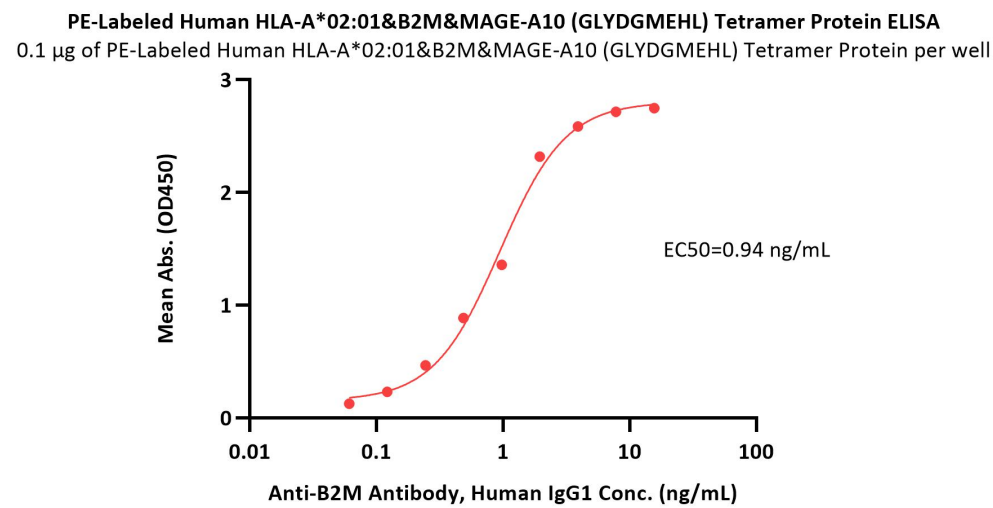
Storage

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.

Bioactivity-ELISA



Immobilized PE-Labeled Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Tetramer Protein (Cat. No. HLM-HP2H8) at 1 μg/mL (100 μL/well) can bind Anti-HLA class I Antibody, Human IgG1 (W6/32) with a linear range of 0.1-4 ng/mL (QC tested).



Immobilized PE-Labeled Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Tetramer Protein (Cat. No. HLM-HP2H8) at 1 μg/mL (100 μL/well) can bind Anti-B2M Antibody, Human IgG1 with a linear range of 0.06-2 ng/mL (Routinely tested).





Background

Melanoma-associated antigen A10 (MAGE-A10) is a cancer/testis protein associated with many cancers. MAGE-A10 is overexpressed in cancer cells. The repression of MAGE-A10 expression increased cell-cell and cell matrix adhesion. The Human HLA-A*0201 MAGE-A10 (GLYDGMEHL) complex protein is a complex of HLA-A*0201 of the MHC Class I, B2M and GLYDGMEHL peptide of the MAGE-A10.

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and more!

