

Synonym

HLA-A\*0301 & B2M

Source

PE-Labeled Human HLA-A\*03:01&B2M Tetramer Protein(HLM-HP2H6) is expressed from human 293 cells (HEK293). It contains AA Gly 25 - Thr 305 (HLA-A\*03:01) & Ile 21 - Met 119 (B2M) (Accession # [P04439-1](#) (HLA-A\*03:01) & [P61769](#) (B2M)).  
Predicted N-terminus: Gly 25 & Ile 21

Molecular Characterization

PE-Labeled Human HLA-A\*03:01&B2M Tetramer Protein is assembled by biotinylated monomer (HLM-H82Ey) and PE-labeled streptavidin.  
Biotinylated Human HLA-A\*03:01&B2M Monomer Protein is produced by co-expression of HLA and B2M. This 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.*

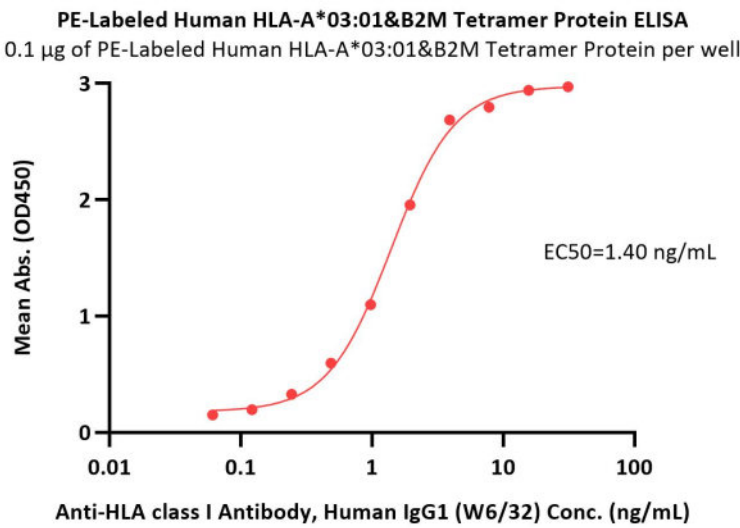
Storage

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

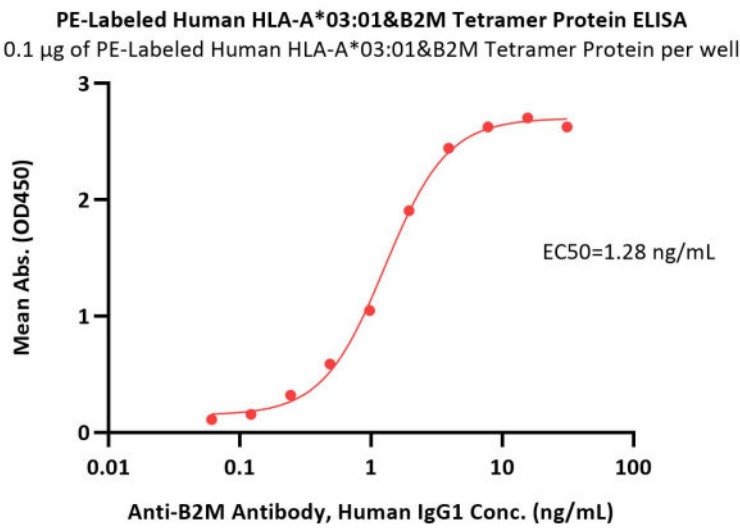
*Please protect from light and avoid repeated freeze-thaw cycles.*

- 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.

Bioactivity-ELISA



Immobilized PE-Labeled Human HLA-A\*03:01&B2M Tetramer Protein (Cat. No. HLM-HP2H6) at 1 µg/mL (100 µL/well) can bind Anti-HLA class I Antibody, Human IgG1 (W6/32) with a linear range of 0.06-4 ng/mL (QC tested).



Immobilized PE-Labeled Human HLA-A\*03:01&B2M Tetramer Protein (Cat. No. HLM-HP2H6) 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).



PE-Labeled Human HLA-A\*03:01&B2M Tetramer Protein (Peptide free)

Catalog # HLM-HP2H6



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