

## Peptide Ready HLA-A\*03:01&B2M Tetramer Protein, Human, MHC (His & Avi), PE-Labeled

### General Information

Synonyms:	MHC;Peptide Ready;HLA-A*03:01
Protein Construction:	Gly25-Thr305 (HLA-A*03:01) and Ile21-Met119 (B2M)
Species:	Human
Expression Host:	HEK293 Cells
Accession:	NP_002107.3(HLA-A*03:01)&P61769(B2M)
Molecular Weight:	500 kDa (Predicted)

### QC Testing

Biological Activity:	Immobilized PE-Labeled Human Peptide Ready HLA-A*03:01&B2M Tetramer, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 6.0 ng/ml determined by ELISA.
Formulation:	Supplied as 0.22 µm filtered solution in PBS, 300 mM NaCl (pH 7.4).

### Preparation and Storage

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Peptide Ready HLA-A\*03:01&B2M Tetramer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A\*03:01. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

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