

## HLA-A\*02:01&B2M&PRAME (ALYVDSLFFL) Tetramer Protein, Human, MHC (His & Avi)

### General Information

Synonyms:	OIP-4;MAPE;OIP4;PRAME
Protein Construction:	Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and ALYVDSLFFL peptide
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P79603(HLA-A*02:01)&P61769(B2M)&ALYVDSLFFL
Molecular Weight:	258 kDa (Predicted); 260-265 kDa (Non-reducing condition, due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Human HLA-A*02:01&B2M&PRAME (ALYVDSLFFL) Tetramer, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&PRAME (ALYVDSLFFL) Antibody, hFc Tag with the EC50 of 6.7 ng/ml determined by ELISA.
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS, 100 mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### 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

PRAME (PReferentially expressed Antigen in MELanoma) is a melanoma-associated antigen expressed in cutaneous and ocular melanomas and some other malignant neoplasms, while its expression in normal tissue and benign tumors is limited.

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