

Biotinylated Human Peptide Ready HLA-A\*24:02&B2M Monomer Protein



Cat. No. MHC-HM46RB

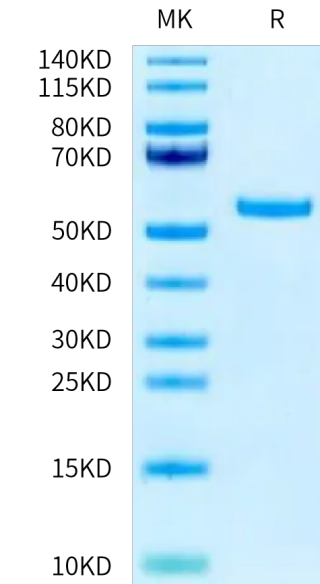
| Description      |                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Biotinylated Human Peptide Ready HLA-A*24:02&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.<br>It contains Gly25-Thr305(HLA-A*24:02) and Ile21-Met119(B2M). |
| Accession        | AAA59600.1(HLA-A*24:02)&P61769(B2M)                                                                                                                                                                               |
| Molecular Weight | The protein has a predicted MW of 48.30 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.                                                                               |
| Endotoxin        | Less than 1 EU per µg by the LAL method.                                                                                                                                                                          |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC                                                                                                                                               |

| Formulation and Storage |                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                                       |
| Reconstitution          | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.                                                                                           |
| Storage                 | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background                                                                                                                                                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Peptide Ready HLA-A*24:02&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*24:02. 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. |  |

Assay Data

Bis-Tris PAGE



Biotinylated Human Peptide Ready HLA-A\*24:02&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

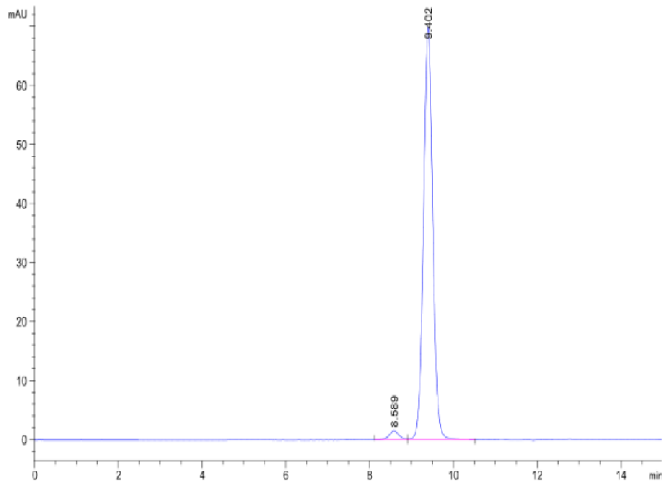
SEC-HPLC

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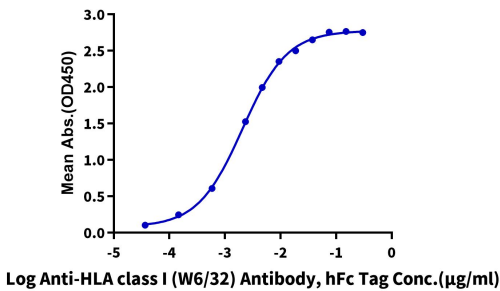
Assay Data



The purity of Biotinylated Human Peptide Ready HLA-A\*24:02&B2M Monomer is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Biotinylated Human Peptide Ready HLA-A\*24:02&B2M Monomer, His-Avi Tag ELISA**  
0.05µg Biotinylated Human Peptide Ready HLA-A\*24:02&B2M Monomer, His-Avi Tag Per Well



Immobilized Biotinylated Human Peptide Ready HLA-A\*24:02&B2M Monomer, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 2.1ng/ml determined by ELISA (QC Test).