

Biotinylated Human Peptide Ready HLA-A\*02:06&B2M Monomer Protein



Cat. No. MHC-HM63RB

| Description      |                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Biotinylated Human Peptide Ready HLA-A*02:06&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.<br>It contains Gly25-Val365 (HLA-A*02:06) and Ile21-Met119 (B2M). |
| Accession        | AAA59653.1(HLA-A*02:06)&P61769(B2M)                                                                                                                                                                                 |
| Molecular Weight | The protein has a predicted MW of 48.4 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis 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             | Supplied as 0.22 µm filtered solution in PBS, 100mM Arginine (pH 7.4).                                                                                                           |
| Storage                 | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background                                                                                                                                                                                                                                                                                                                     |  |
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| HLA-A*02:06&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*02:06. 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

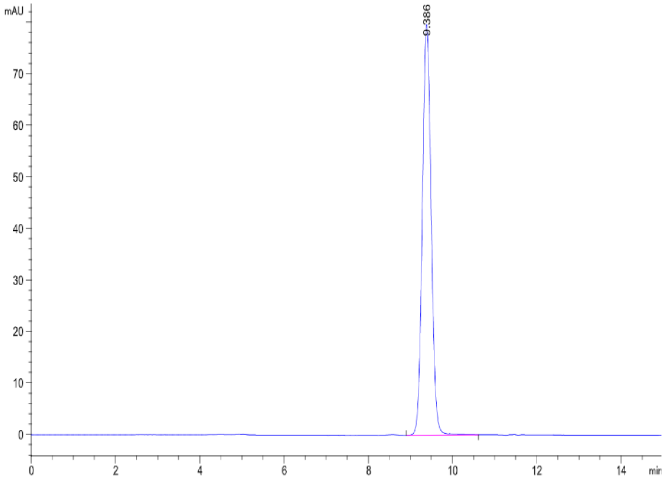
Bis-Tris PAGE



Biotinylated Human Peptide Ready HLA-A\*02:06&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Biotinylated Human Peptide Ready HLA-A\*02:06&B2M Monomer is greater than 95% as determined by SEC-HPLC.