

Cat. No. MHC-HM437B

**Description**

<b>Source</b>	Recombinant Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (KVLEHVVRV) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and KVLEHVVRV peptide.
<b>Accession</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)&KVLEHVVRV
<b>Molecular Weight</b>	The protein has a predicted MW of 50.50 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

**Formulation and Storage**

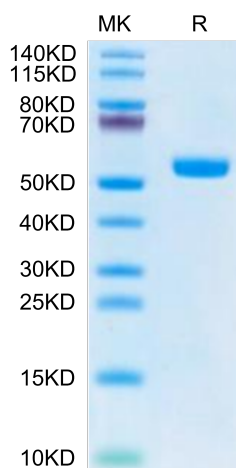
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Background**

MAGE-A4 and MAGE-A8 are type I members of the melanoma associated antigen (MAGE) family. The MAGE family is a large, highly conserved group of proteins that share a common MAGE homology domain. Both MAGE-A4 and MAGE-A8 antigen-presenting peptides can be presented by HLA-A\*02:01.

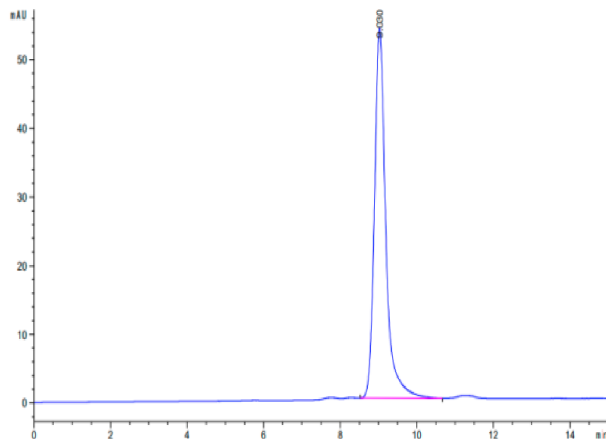
**Assay Data**

**Tris-Bis PAGE**



Biotinylated Human HLA-A\*02:01&B2M&MAGE-A4 (KVLEHVVRV) Monomer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**



The purity of Biotinylated Human HLA-A\*02:01&B2M&MAGE-A4 (KVLEHVVRV) Monomer is greater than 95% as determined by SEC-HPLC.