

Biotinylated Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer Protein



Cat. No. MHC-HE461B

Description

Source	Recombinant Biotinylated Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer Protein is expressed from E.coli with His tag and Avi Tag at the C-terminus. It contains Gly25-Thr305(HLA-A*01:01), Ile21-Met119(B2M) and EVDPIGHLY peptide.
Accession	Q5SUL5(HLA-A*01:01)&P61769(B2M)&EVDPIGHLY
Molecular Weight	The protein has a predicted MW of 35.84 kDa (HLA-A*01:01) and 11.9 kDa (B2M) same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

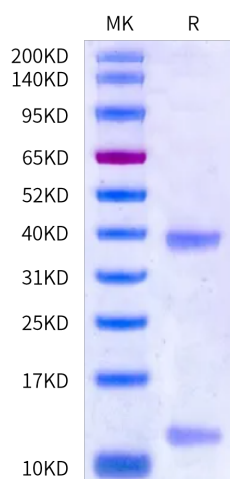
Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Melanoma antigen gene A3 (MAGE-A3) is one of the most immunogenic cancer testis antigens and is common in various types of cancers. MAGE-A3 can be considered as a predictor for poor prognosis and an option for vaccine immunotherapy in patients with PCa.

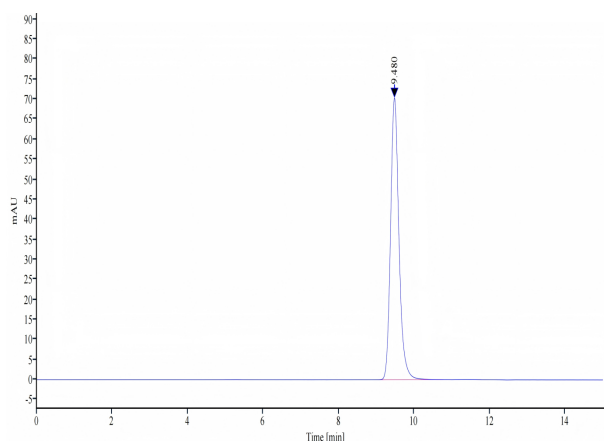
Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer is greater than 95% as determined by SEC-HPLC.