

Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Monomer Protein



Cat. No. MHC-HM459

Description

Source	Recombinant Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) 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 GLYDGMEHL peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&GLYDGMEHL
Molecular Weight	The protein has a predicted MW of 50.44 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

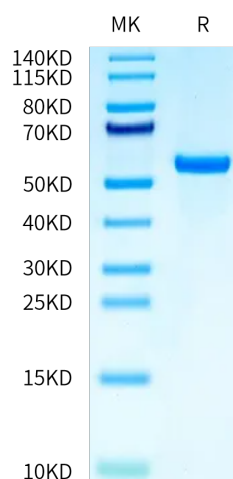
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

MAGE-A10 is a subtype of the Melanoma-associated antigen A (MAGE-A), a class of tumor antigens that are extensively expressed in various histological types of tumors and represents an attractive target for tumor immunotherapy. High-level expression of MAGE-A10 improved the anti-tumor immune cytotoxicity of MAGE-A10-specific CTLs in lung cancer cell lines and primary lung cancer cells.

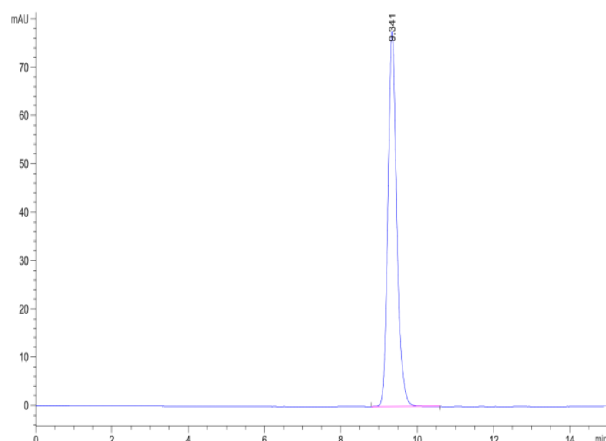
Assay Data

Tris-Bis PAGE



Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Monomer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Monomer is greater than 95% as determined by SEC-HPLC.