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

Cat. No. MHC-HM459B

Description

Source	Recombinant Biotinylated 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 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

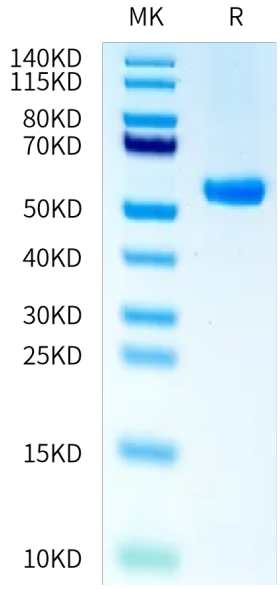
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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

Bis-Tris PAGE



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

SEC-HPLC

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

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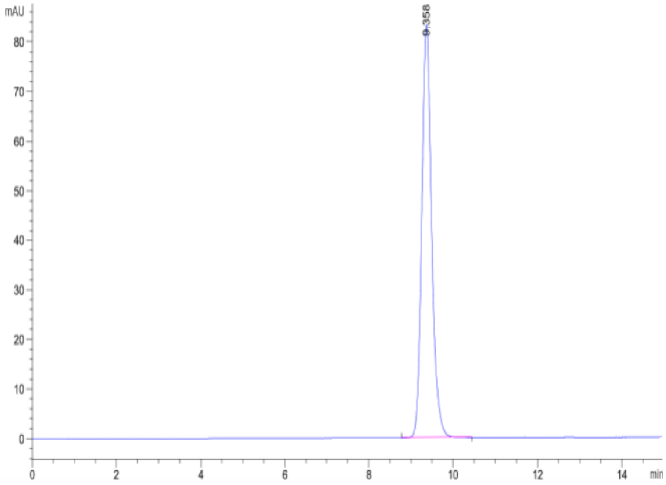
Assay Data



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