Biotinylated Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Monomer Protein

Cat. No. MHC-HM432B

Description

Source	Recombinant Biotinylated Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus..
	It contains Gly25-Thr305(HLA-A*02:03),Ile21-Met119(B2M) and FMNKFIYEI peptide.
Accession	AAA03604.1(HLA-A*02:03)&P61769(B2M)&FMNKFIYEI
Molecular Weight	The protein has a predicted MW of 50.70 kDa. Due to glycosylation, the protein migrates to 53-60 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

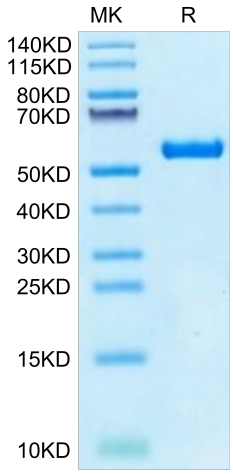
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Alpha-fetoprotein (AFP), a specific liver cancer marker, T cells expressing AFP-CAR selectively degranulated, released cytokines, and lysed liver cancer cells that were HLA-A*02:01 /AFP while sparing cells from multiple tissue types that were negative for either expressed proteins.CAR T-cell immunotherapy targeting intracellular/secreted solid tumor antigens can elicit a potent antitumor response.

Assay Data

Tris-Bis PAGE



Biotinylated Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Monomer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Biotinylated Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Monomer Protein

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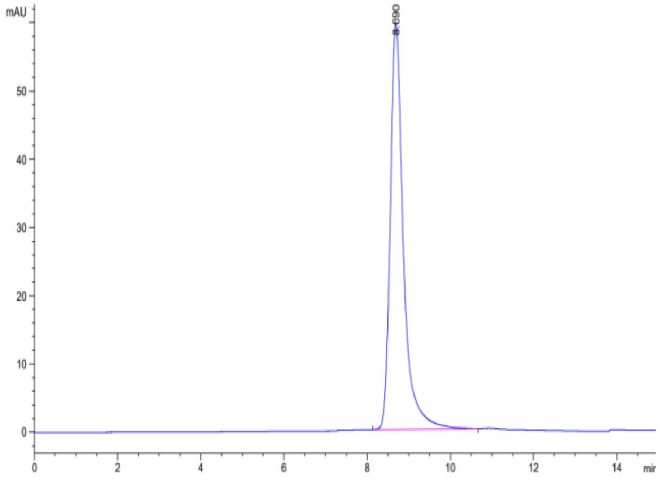
Assay Data



The purity of Biotinylated Human HLA-A*02:03&B2M&AFP (FMNKFIYEI) Monomer is greater than 95% as determined by SEC-HPLC.

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