Human HLA-A*03:01&B2M&gp100 (ALLAVGATK) Monomer Protein

Cat. No. MHC-HM463

Description

Source	Recombinant Human HLA-A*03:01&B2M&gp100 (ALLAVGATK) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly25-Thr305 (HLA-A*03:01), Ile21-Met119 (B2M) and ALLAVGATK peptide.
Accession	NP_002107.3(HLA-A*03:01)&P61769(B2M)&ALLAVGATK
Molecular Weight	The protein has a predicted MW of 50.15 kDa. Due to glycosylation, the protein migrates to 51-60 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

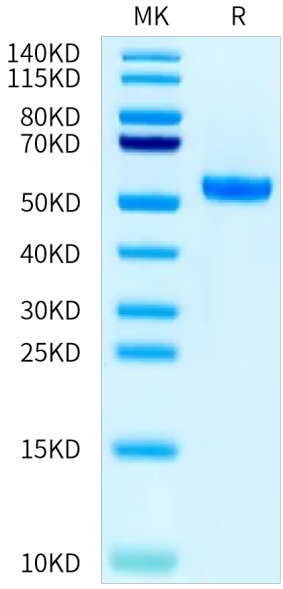
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

Immunization against the ALLAVGATK peptide may occur in melanoma patients and that the immunogenicity of this peptide is similar to that of the majority of melanoma differentiation antigens defined to date. Therefore, the use of ALLAVGATK in active immunotherapy for HLA-A3 melanoma patients, for whom no other immunogenic peptide has been so far described, remains a distinct possibility, providing that patients treated in vivo with this peptide develop a better in vitro response than already demonstrated for HLA-A2 epitopes generated from this same antigenic protein.

Assay Data

Bis-Tris PAGE



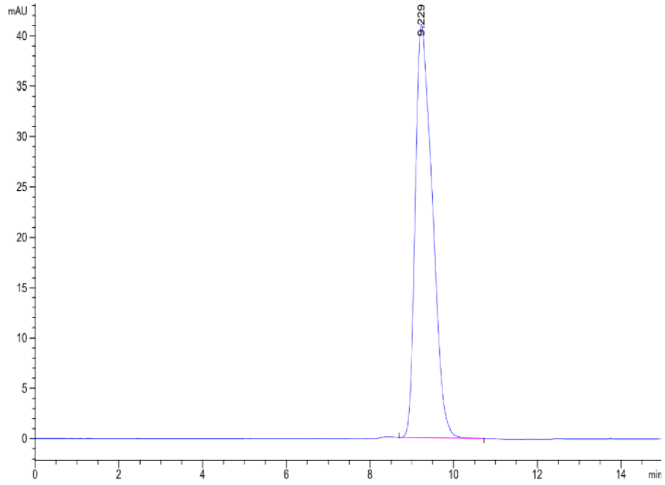
Human HLA-A*03:01&B2M&gp100 (ALLAVGATK) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human HLA-A*03:01&B2M&gp100 (ALLAVGATK) Monomer Protein

Cat. No. MHC-HM463

Assay Data



The purity of Human HLA-A*03:01&B2M&gp100 (ALLAVGATK) Monomer is greater than 95% as determined by SEC-HPLC.