Biotinylated Human HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Monomer Protein

Cat. No. MHC-HM435B

Description

Source	Recombinant Biotinylated Human HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) 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 ELAGIGILTV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&ELAGIGILTV
Molecular Weight	The protein has a predicted MW of 50.40 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

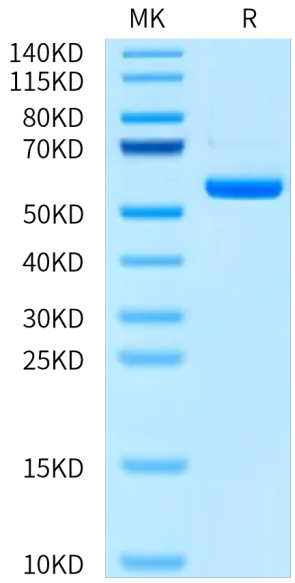
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Melanoma antigen recognized by T cell-1 (Mart-1), one of the melanosome-specific proteins, also recognized by cytotoxicity T lymphocytes as a marker. Mart-1 is considered to play a critical role in the immunotherapy for melanoma.

Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Biotinylated Human HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Monomer Protein

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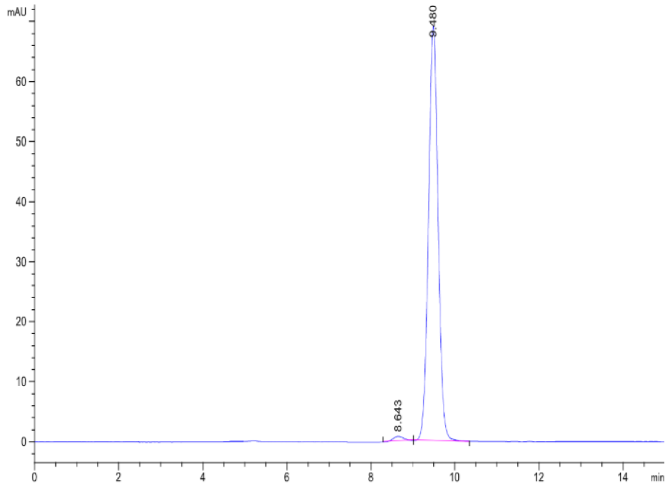
Assay Data

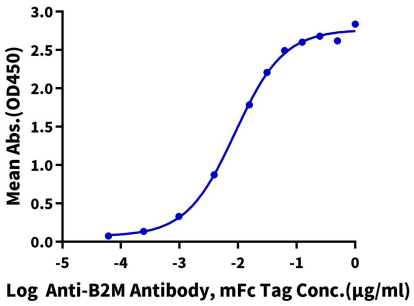


The purity of Biotinylated Human HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Monomer is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Monomer, His Tag ELISA

0.05μg Biotinylated HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Monomer, His Tag Per Well



Immobilized Biotinylated Human HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Monomer, His-Avi Tag at 0.5μg/ml(100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 8.9ng/ml determined by ELISA.

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