

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



Cat. No. MHC-HM435T

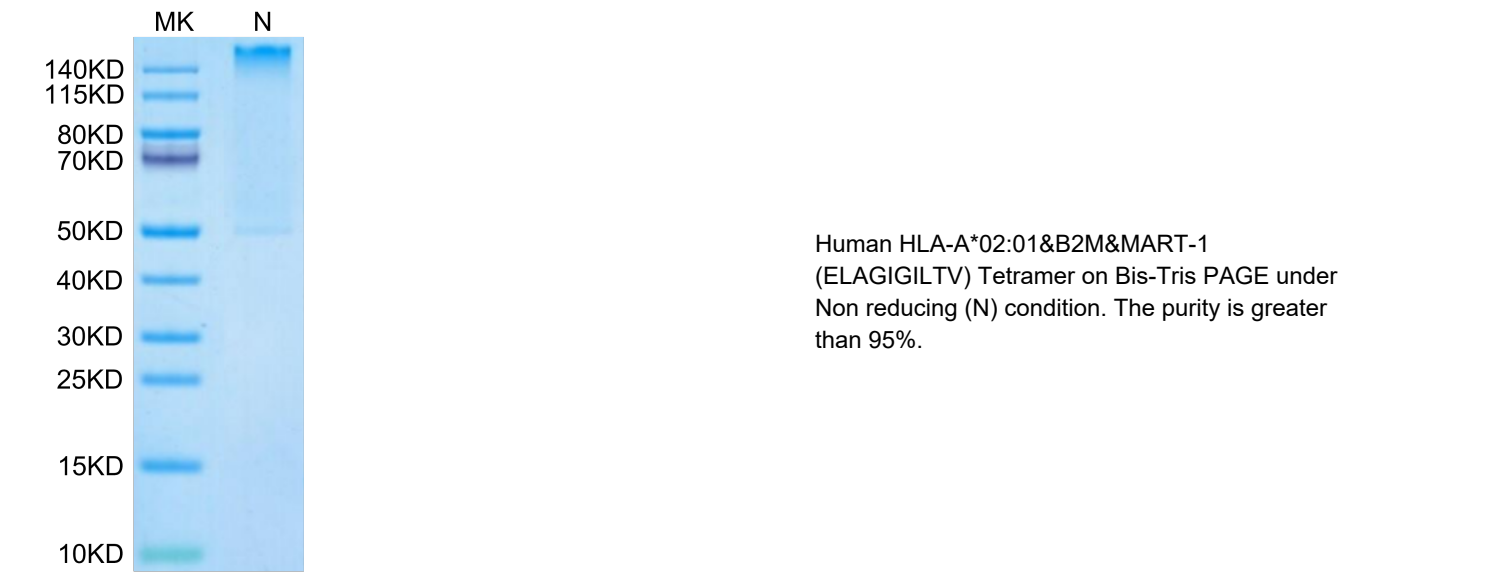
Description	
Source	Recombinant Human HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus, tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and ELAGIGILTV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&ELAGIGILTV
Molecular Weight	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition 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 0.22µm 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	
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.	

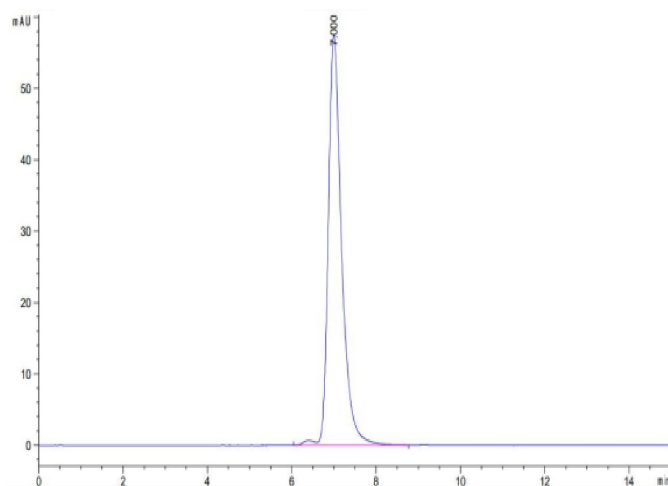
Assay Data

Bis-Tris PAGE



SEC-HPLC

Assay Data



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