

Chimeric HLA-A*02:01 (α3) &B2M&WT-1 (RMFPNAPYL) Tetramer Protein



Cat. No. MHC-HM425T

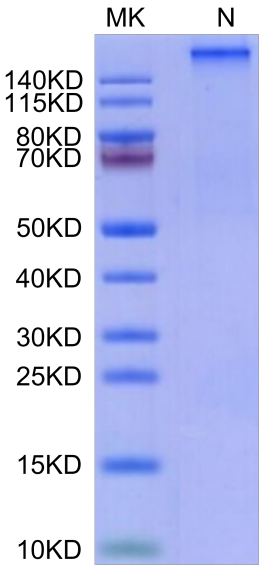
Description	
Source	Recombinant Chimeric HLA-A*02:01 (α3) &B2M&WT-1 (RMFPNAPYL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus,tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr206(Human HLA-A*02:01 α1&α2) & Asp140-Lys241(Mouse H-2Ld α3), Ile21-Met119 (B2M) and RMFPNAPYL peptide.
Accession	A0A140T913(Human HLA-A*02:01 α1&α2)&P01895(Mouse H-2Ld α3)&P61769(B2M)&RMFPNAPYL
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	Supplied as 0.22µm filtered solution in PBS, 200mM L-arginine (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	
NY-ESO-1 or New York esophageal squamous cell carcinoma 1 is a well-known cancer-testis antigen (CTAs) with re-expression in numerous cancer types. Its ability to elicit spontaneous humoral and cellular immune responses, together with its restricted expression pattern, have rendered it a good candidate target for cancer immunotherapy.	

Assay Data

Bis-Tris PAGE



Chimeric HLA-A*02:01 (α3) &B2M&WT-1 (RMFPNAPYL) Tetramer on Bis-Tris PAGE under Non reducing (N) condition. The purity is greater than 95%.

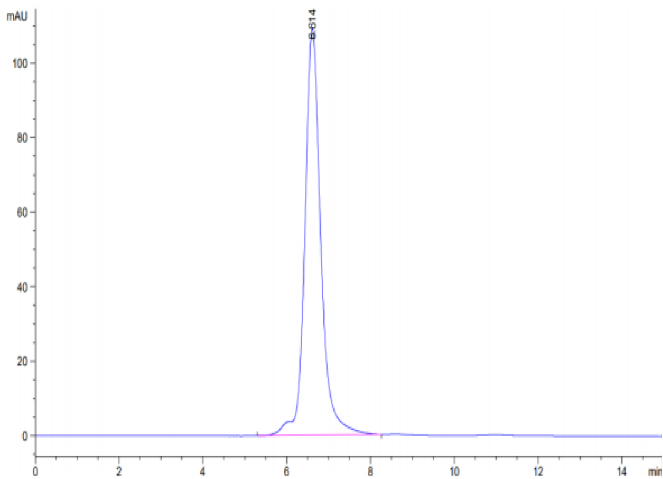
SEC-HPLC

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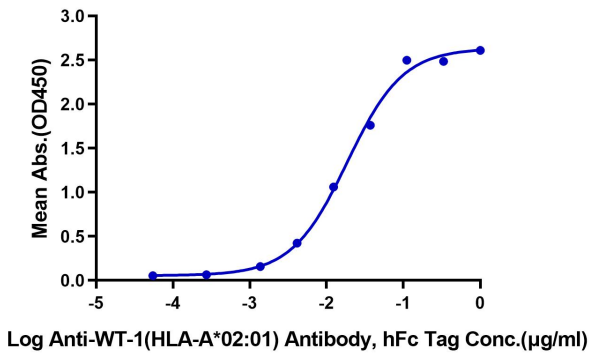
Assay Data



The purity of Chimeric HLA-A*02:01 (α3) &B2M&WT-1 (RMFPNAPYL) Tetramer is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human&Mouse Chimeric WT-1(HLA-A*02:01) Tetramer, His Tag ELISA
0.1μg Human&Mouse Chimeric WT-1(HLA-A*02:01) Tetramer, His Tag Per Well



Immobilized Chimeric HLA-A*02:01 (α3) &B2M&WT-1 (RMFPNAPYL) Tetramer, His Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&WT-1 (RMFPNAPYL) Antibody, hFc Tag with the EC50 of 18.7ng/ml determined by ELISA.