

Human HLA-A*02:01&B2M&Survivin (LTLGEFLKL) Tetramer Protein



Cat. No. MHC-HM4A1T

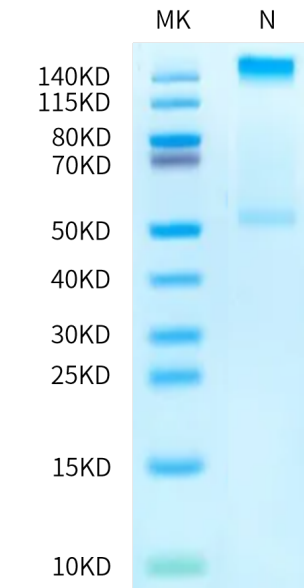
Description	
Source	Recombinant Human HLA-A*02:01&B2M&Survivin (LTLGEFLKL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus, tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and LTLGEFLKL peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)<LGEFLKL
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 0.22 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	
Survivin (also known as BIRC5) is an evolutionarily conserved eukaryotic protein that is essential for cell division and can inhibit cell death. Normally it is only expressed in actively proliferating cells, but is upregulated in most, if not all cancers; consequently, it has received significant attention as a potential oncotherapeutic target.	

Assay Data

Bis-Tris PAGE



Human HLA-A*02:01&B2M&Survivin (LTLGEFLKL) Tetramer on Bis-Tris PAGE under Non reducing (N) condition. The purity is greater than 95%.

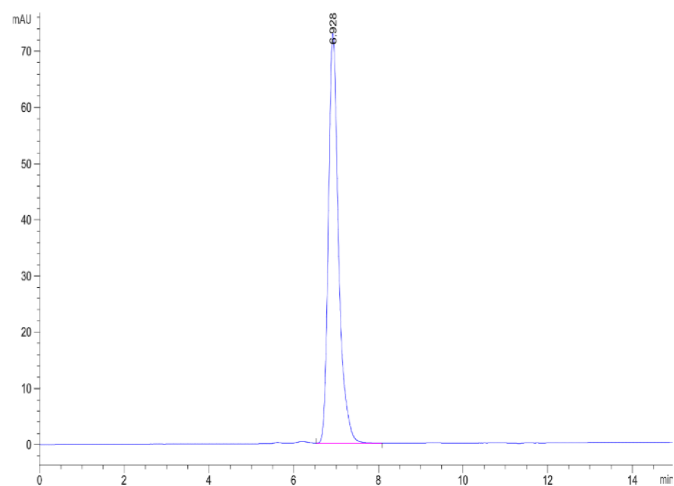
SEC-HPLC

Human HLA-A*02:01&B2M&Survivin (LTLGEFLKL) Tetramer Protein

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Assay Data



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