

Human HLA-A*02:01&B2M&Survivin (LMLGEFLKL) Monomer Protein

Cat. No. MHC-HM412

Description

Source	Recombinant Human HLA-A*02:01&B2M&Survivin (LMLGEFLKL) 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 LMLGEFLKL peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&LMLGEFLKL
Molecular Weight	The protein has a predicted MW of 50.5 kDa. Due to glycosylation, the protein migrates to 53-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis 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	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days 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

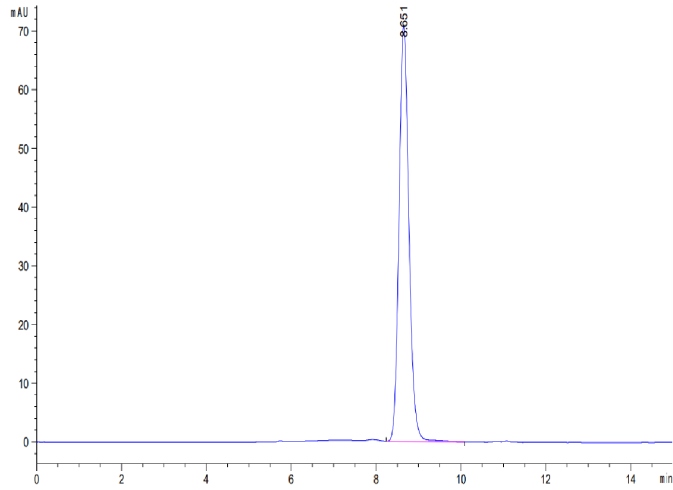
Tris-Bis PAGE



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

SEC-HPLC

Assay Data



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