

# Human HLA-A\*02:01&B2M&Survivin (LTLGEFLKL) Monomer Protein

Cat. No. MHC-HM4A1

## Description

<b>Source</b>	Recombinant Human HLA-A*02:01&B2M&Survivin (LTLGEFLKL) 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 LTLGEFLKL peptide.
<b>Accession</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)&LTLGEFLKL
<b>Molecular Weight</b>	The protein has a predicted MW of 50.44 kDa. Due to glycosylation, the protein migrates to 52-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.1EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

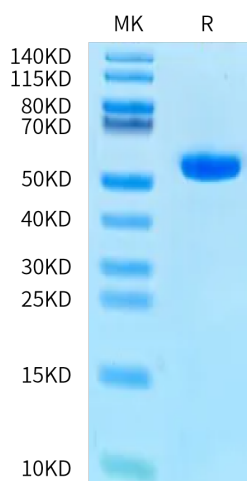
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

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.

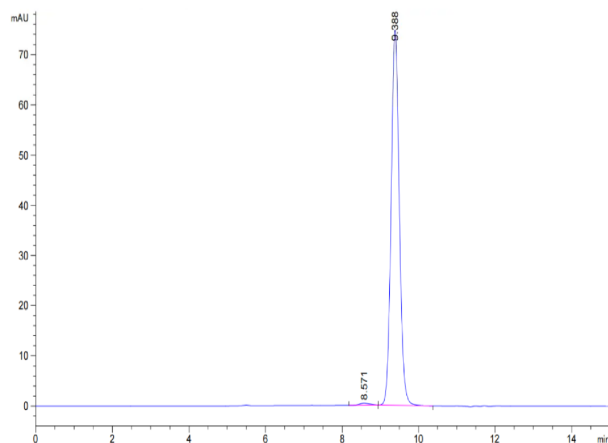
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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