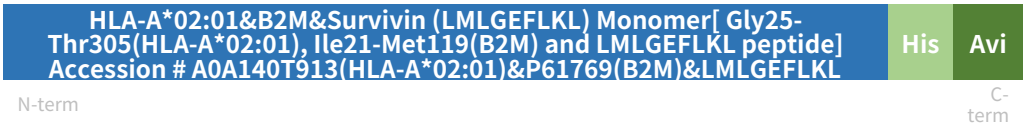
Rev03
Update: Aug,08,2025

DATASHEET

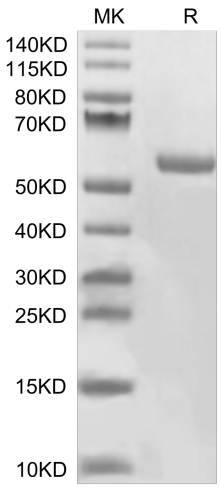
HLA-A*02:01&B2M&Survivin (LMLGEFLKL) Monomer, His & Avi, Human

Cat. No.: Z06594

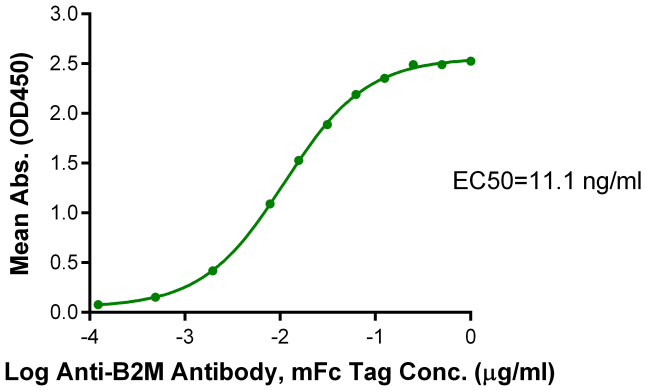
Product Introduction

Species	Human
Protein Construction	
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized HLA-A*02:01&B2M&Survivin (LMLGEFLKL) Monomer, His & Avi, Human at 0.5μg/ml (100μl/well) on the plate can bind Anti-B2M Antibody, mFc Tag.Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	50.5 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 53-60 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

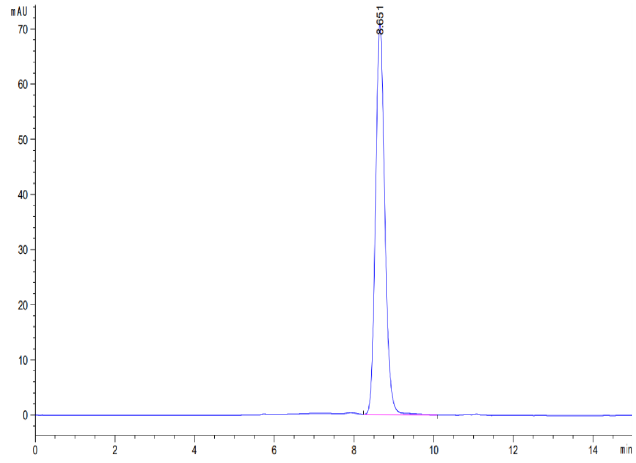
Examples



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



Immobilized HLA-A*02:01&B2M&Survivin (LMLGEFLKL) Monomer, His & Avi, Human, His Tag at 0.5 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 11.1 ng/ml determined by ELISA.



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

Background

Target 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.

Synonyms : Survivin; MHC; MHC I; BIRC5; API4; EPR-1; IAP4; survivin variant 3 alpha

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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