

Biotinylated Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein

Cat. No. MHC-MM453B

Description

Source	Recombinant Biotinylated Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains His24-Pro297 (H-2K(b)), Ile21-Met119 (B2M) and SIINFEKL peptide.
Accession	P01901(H-2K(b))&P01887(B2M)&SIINFEKL
Molecular Weight	The protein has a predicted MW of 50.20 kDa. Due to glycosylation, the protein migrates to 52-70 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

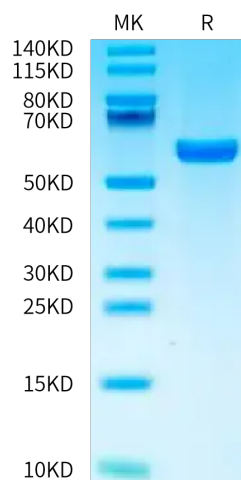
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Ovalbumin (OVA) has been historically a popular source of such antigens, since OVA can induce both humoral and cellular immune responses based on well-characterised peptide epitopes. The OVA257-264 octapeptide was one of the first OVA epitopes to be characterised, it has an amino acid sequence SIINFEKL, which is recognised by cytotoxic T lymphocytes. SIINFEKL forms fibrillar assemblies similar to other peptide hydrogels. The immunoactive properties of this peptide can therefore be related to its self-assembling nature.

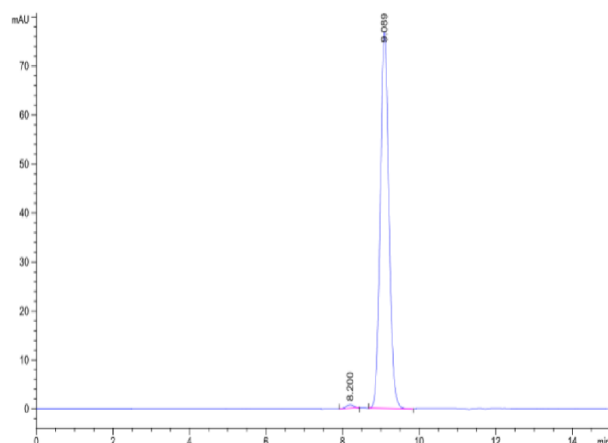
Assay Data

Tris-Bis PAGE



Biotinylated Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein is greater than 95% as determined by SEC-HPLC.