

Biotinylated Mouse Peptide Ready H-2K(b)&B2M Monomer Protein



Cat. No. MHC-MM50RB

Description	
Source	Recombinant Biotinylated Mouse Peptide Ready H-2K(b)&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains His24-Pro297 (H-2K(b)) and Ile21-Met119(B2M).
Accession	P01901(H-2K(b))&P01887(B2M)
Molecular Weight	The protein has a predicted MW of 48.3 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis 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	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	
H-2K(b)&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching H-2K(b). Peptide ready MHC molecules comprising mouse H-2K(b) alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.	

Assay Data

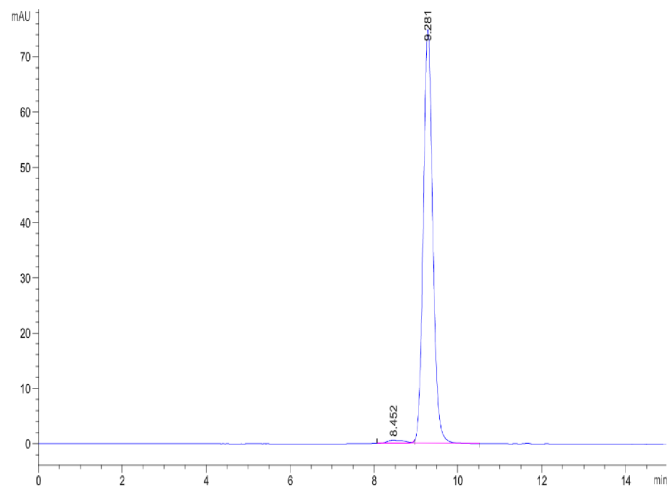
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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