Biotinylated Human Peptide Ready HLA-A*33:03&B2M Monomer Protein

Cat. No. MHC-HM53RB

Description

Source	Recombinant Biotinylated Human Peptide Ready HLA-A*33:03&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Gly25-Thr305(HLA-A*33:03) and Ile21-Met119(B2M).
Accession	VCU43110.1(HLA-A*33:03)&P61769(B2M)
Molecular Weight	The protein has a predicted MW of 48.3 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE
	>95% as determined by HPLC

Formulation and Storage

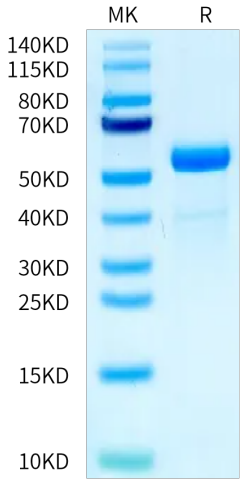
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

HLA-A*33:03&B2M&Peptide ready Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*33:03. Peptide ready MHC molecules comprising human HLA alleles and B2M, which can be readily tetramerized and loaded with peptides of choice in a high-throughput manner.

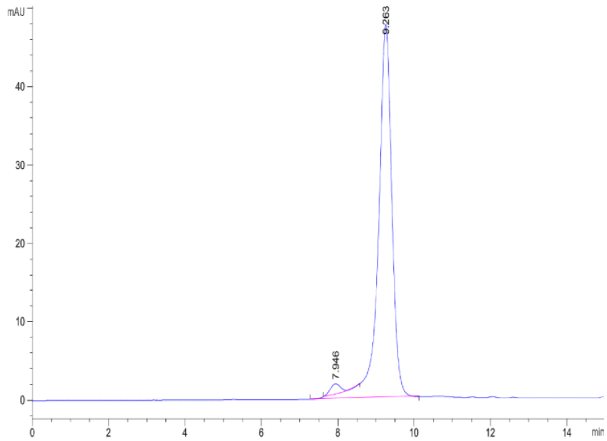
Assay Data

Bis-Tris PAGE



Biotinylated Human Peptide Ready HLA-A*33:03&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human Peptide Ready HLA-A*33:03&B2M Monomer is greater than 95% as determined by SEC-HPLC.

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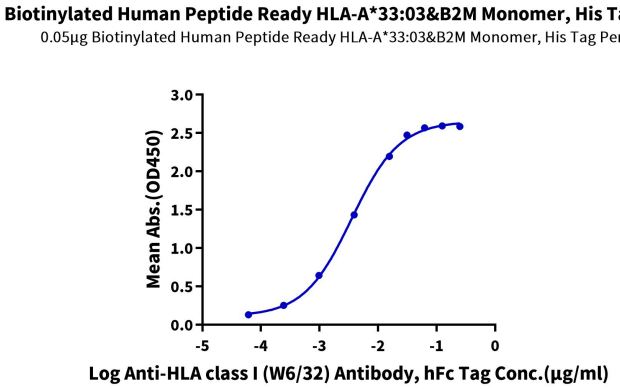
Assay Data

ELISA Data



Immobilized Biotinylated Human Peptide Ready HLA-A*33:03&B2M Monomer, His Tag at 0.5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 3.5ng/ml determined by ELISA (QC Test).