Human Peptide Ready HLA-A*24:02&B2M Monomer Protein





Description	
Source	Recombinant Human Peptide Ready HLA-A*24:02&B2M Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly25-Thr305(HLA-A*24:02) and Ile21-Met119(B2M).
Accession	AAA59600.1(HLA-A*24:02)&P61769(B2M)
Molecular Weight	The protein has a predicted MW of 48.30 kDa. Due to glycosylation, the protein migrates to 50-60 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

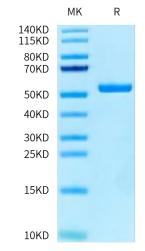
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Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Peptide Ready HLA-A*24:02&B2M Monomer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*24:02. 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.

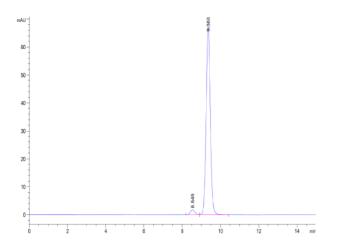
Assay Data

Bis-Tris PAGE



Human Peptide Ready HLA-A*24:02&B2M Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Peptide Ready HLA-A*24:02&B2M Monomer is greater than 95% as determined by SEC-HPLC.

Human Peptide Ready HLA-A*24:02&B2M Monomer Protein

Cat. No. MHC-HM46R

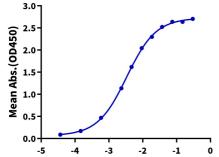


Assay Data

ELISA Data

Human Peptide Ready HLA-A*24:02&B2M Monomer, His Tag ELISA

0.**05**μg Human Peptide Ready HLA-A*24:02&B2M Monomer, His Tag Per Well



Log Anti-HLA class I (W6/32) Antibody, hFc Tag Conc.(µg/ml)

Immobilized Human Peptide Ready HLA-A*24:02&B2M Monomer, His Tag at $0.5\mu g/ml$ (100 μ I/well) on the plate. Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 3.4ng/ml determined by ELISA (QC Test).