FITC-equivalent Human Peptide Ready HLA-A*03:01&B2M Tetramer Protein

Cat. No. MHC-HM44RTF

Description

Source	Recombinant FITC-equivalent Human Peptide Ready HLA-A*03:01&B2M Tetramer Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Gly25-Thr305 (HLA-A*03:01) and Ile21-Met119 (B2M).
Accession	NP_002107.3(HLA-A*03:01)&P61769(B2M)
Molecular Weight	The protein has a predicted MW of 301.2 kDa.
Wavelength	Excitation Wavelength: 490 nm
	Emission Wavelength: 520 nm
Endotoxin	Less than 1EU per μg by the LAL method.

Formulation and Storage

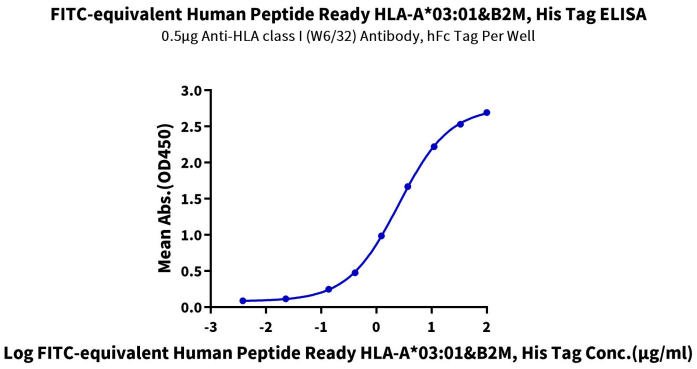
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 300mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°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*03:01&B2M Tetramer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*03:01. 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

ELISA Data



Immobilized Anti-HLA class I (W6/32) Antibody, hFc Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for FITC-equivalent Human Peptide Ready HLA-A*03:01&B2M Tetramer, His Tag with the EC50 of 2.55μg/ml determined by ELISA.