APC-equivalent Human Peptide Ready HLA-A*02:01&B2M Tetramer Protein

Cat. No. MHC-HM43RTC

Description

Source	Recombinant APC-equivalent Human Peptide Ready HLA-A*02:01&B2M Tetramer Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly25-Thr305 (HLA-A*02:01) and Ile21-Met119 (B2M).
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)
Molecular Weight	The protein has a predicted MW of 293.2 kDa.
Wavelength	Excitation Wavelength: 609 nm
	Emission Wavelength: 643 nm
Endotoxin	Less than 1EU per μg by the LAL method.

Formulation and Storage

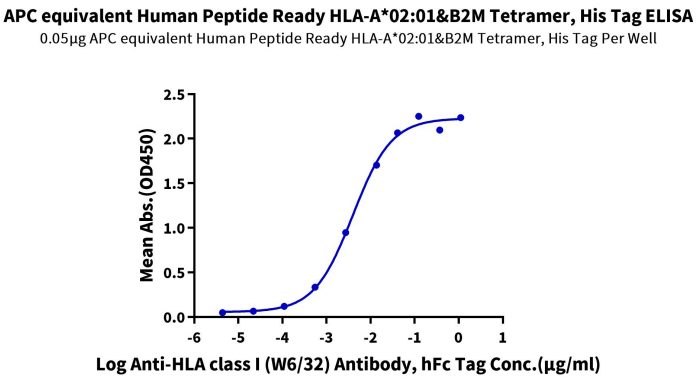
Formulation	Supplied as 0.22μm filtered solution in PBS, 300mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Peptide Ready HLA-A*02:01&B2M Tetramer is absent from peptide, namely peptide-receptive MHC. It can be loaded with antigenic peptides matching HLA-A*02:01. 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 APC equivalent Human Peptide Ready HLA-A*02:01&B2M Tetramer, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-HLA class I (W6/32) Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA.