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





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 $\mu$ m filtered solution in PBS, 300mM NaCl (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 µg/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*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

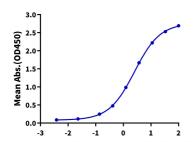
## **Assay Data**

## **ELISA Data**

## FITC-equivalent Human Peptide Ready HLA-A\*03:01&B2M, His Tag ELISA

manner.

0.5μg Anti-HLA class I (W6/32) Antibody, hFc Tag Per Well



 $Log\ FITC-equivalent\ Human\ Peptide\ Ready\ HLA-A*03:01\&B2M,\ His\ Tag\ Conc.(\mu g/ml)$ 

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