Biotinylated Human HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET) Monomer Protein

Cat. No. MHC-HM424B

Description

Source	Recombinant Biotinylated Human HPV16 E7(HLA-A*02:01) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119 (B2M) and YMLDLQPET peptide.
Accession	P04439-1(HLA-A*02:01) &P61769(B2M) &YMLDLQPET peptide
Molecular Weight	The protein has a predicted MW of 50.50 kDa. Due to glycosylation, the protein migrates to 53-63 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

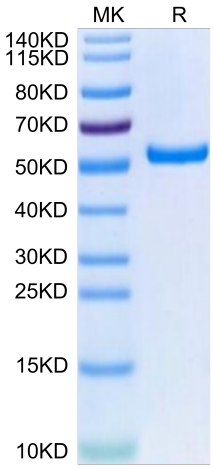
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

HPV16 E7 protein, one of the primary target proteins in molecular targeted therapy for HPV-induced cervical cancer. The affitoxin, ZHPV16E7 affitoxin384 was generated by fusing the modified Pseudomonas Exotoxin A (PE38KDEL) to the HPV16 E7-specific affibody.

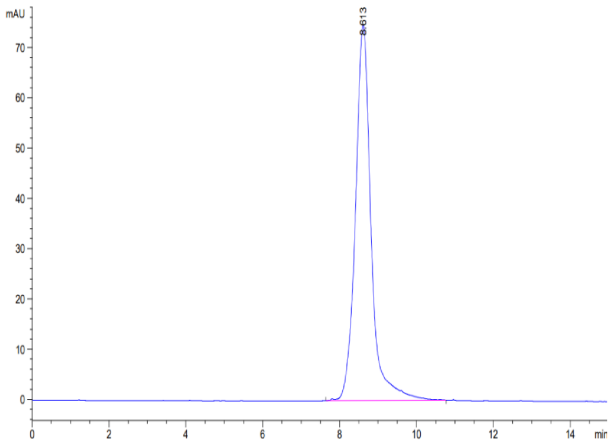
Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human HLA-A*02:01&B2M&HPV16 E7 (YMLDLQPET) Monomer is greater than 95% as determined by SEC-HPLC.