Human HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK) Tetramer Protein

Cat. No. MHC-HM464T

Description

Source	Recombinant Human HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus, tetramer is assembled by biotinylated monomer and streptavidin.
	It contains Gly25-Thr305 (HLA-A*11:01), Ile21-Met119 (B2M) and IVCPICSQK peptide.
Accession	AAV53343.1(HLA-A*11:01)&P61769(B2M)&IVCPICSQK
Molecular Weight	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition 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

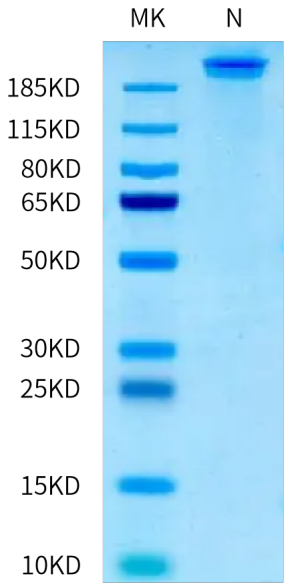
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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



Human HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK) Tetramer Protein on Bis-Tris PAGE under Non reducing (N) condition. The purity is greater than 95%.

SEC-HPLC

Human HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK) Tetramer Protein

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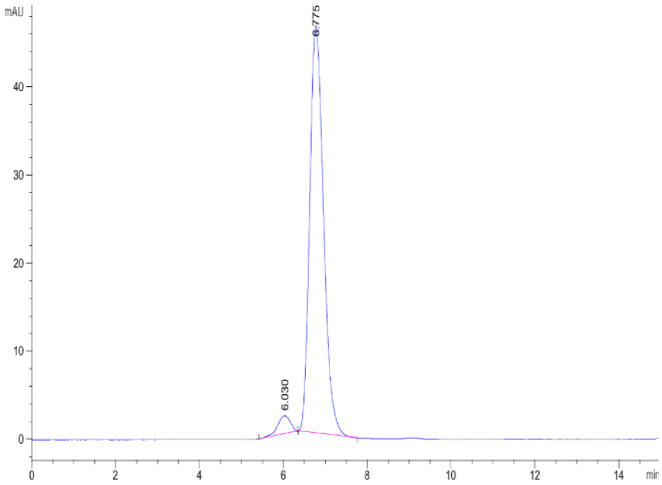
Assay Data



The purity of Human HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK) Tetramer Protein is greater than 95% as determined by SEC-HPLC.