

Rev02
 Update: Aug,08,2025
DATASHEET

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

Cat. No.: Z06610

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px;"> HLA-A*11:01&B2M&HPV16 E7 (IVCPICSQK) Tetramer[Gly25-Thr305 (HLA-A*11:01), Ile21-Met119 (B2M) and IVCPICSQK peptide] Accession # AAV53343.1(HLA-A*11:01)&P61769(B2M)&IVCPICSQK </div> <div style="background-color: #90c080; padding: 5px;">His</div> <div style="background-color: #4f81bd; padding: 5px;">Avi</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	258 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target 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.

Synonyms : HPV16; E7; MHC

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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