

Rev02
 Update: Aug,08,2025

DATASHEET

HLA-A*03:01&B2M&gp100 (ALLAVGATK) Monomer[Biotin], His & Avi, Human

Cat. No.: Z06486

Product Introduction

Species	Human
Protein Construction	<div style="background-color: #0056b3; color: white; padding: 5px;"> HLA-A*03:01&B2M&gp100 (ALLAVGATK) Monomer [Gly25-Thr305 (HLA-A*03:01), Ile21-Met119 (B2M) and ALLAVGATK peptide] Accession # NP_002107.3(HLA-A*03:01)&P61769(B2M)&ALLAVGATK </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> N-term <div style="background-color: #90c090; padding: 2px 5px;">His</div> <div style="background-color: #4f81bd; padding: 2px 5px;">Avi</div> C-term </div>
Conjugate	Biotin
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	50.15 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 51-60 kDa 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 : Immunization against the ALLAVGATK peptide may occur in melanoma patients and that the immunogenicity of this peptide is similar to that of the majority of melanoma differentiation antigens defined to date. Therefore, the use of ALLAVGATK in active immunotherapy for HLA-A3 melanoma patients, for whom no other immunogenic peptide has been so far described, remains a distinct possibility, providing that patients treated in vivo with this peptide develop a better in vitro response than already demonstrated for HLA-A2 epitopes generated from this same antigenic protein.

Synonyms : gp100 (ALLAVGATK)

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

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