

Rev01
 Update: Jan,24,2025

DATASHEET

HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Tetramer, His & Avi, Human

Cat. No.: Z06549

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 10px;"> HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Tetramer [Gly25-Thr305(HLA-A*01:01), Ile21-Met119(B2M) and EVDPIGHLY peptide] Accession # Q5SUL5(HLA-A*01:01)&P61769(B2M)&EVDPIGHLY </div> <div style="display: flex; gap: 5px;"> <div style="background-color: #90c090; padding: 5px; font-size: 8px;">His</div> <div style="background-color: #4f7942; padding: 5px; font-size: 8px;">Avi</div> </div> </div> <div style="margin-top: 5px; font-size: 8px;"> 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 0.22µm 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 : Melanoma antigen gene A3 (MAGE-A3) is one of the most immunogenic cancer testis antigens and is common in various types of cancers. MAGE-A3 can be considered as a predictor for poor prognosis and an option for vaccine immunotherapy in patients with PCa.

Synonyms : Melanoma-associated antigen 3; MZ2-D; MZ2D; MZ2-D; CT1.3; MAGE-3

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

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