

Rev02
 Update: Aug,08,2025
DATASHEET

HLA-A*02:01&B2M&MART-1 (ELAGIGILTV) Tetramer, His & Avi, Human

Cat. No.: Z06577

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*02:01&B2M&MART-1 (ELAGIGILTV) Tetramer[Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and ELAGIGILTV peptide] Accession # A0A140T913(HLA-A*02:01)&P61769(B2M)&ELAGIGILTV </div> <div style="background-color: #90c090; padding: 5px;">His</div> <div style="background-color: #008000; color: white; 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 0.22µm 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 recognized by T cell-1 (Mart-1), one of the melanosome-specific proteins, also recognized by cytotoxicity T lymphocytes as a marker. Mart-1 is considered to play a critical role in the immunotherapy for melanoma.

Synonyms : MART1; LB39-AA; SK29-AA; Melan-A; MLANA

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

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