

Rev02  
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**DATASHEET**

# HLA-A\*01:01&B2M&CT83 (NTDNNLAVY) Monomer, His & Avi, Human

Cat. No.: Z06545

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px;"> <b>HLA-A*01:01&amp;B2M&amp;CT83 (NTDNNLAVY) Monomer [Gly25-Thr305(HLA-A*01:01), Ile21-Met119(B2M) and NTDNNLAVY peptide]</b>            Accession # Q5SUL5(HLA-A*01:01)&amp;P61769(B2M)&amp;NTDNNLAVY         </div> <div style="background-color: #90c090; 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;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	50.30 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	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 :** Cancer/testis antigens 83 (CT83), also called KK-LC-1 or CXorf61, recognized by cytotoxic T lymphocytes (CTL), has become a promising target for immunotherapy.

**Synonyms :** CT83; HLA class I; MHC class I; HLA-A; HLA-A\*0101; MHC; MHC HLA-A alpha

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

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