

Rev02
 Update: Aug,08,2025

DATASHEET

HLA-A*02:01&B2M&HBV (FLLTRILT) Tetramer, His & Avi, Human

Cat. No.: Z06561

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; flex-grow: 1;"> HLA-A*02:01&B2M&HBV (FLLTRILT) Tetramer [Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and FLLTRILT peptide] Accession # A0A140T913(HLA-A*02:01)&P61769(B2M)&FLLTRILT peptide </div> <div style="background-color: #90c080; padding: 5px; margin-left: 5px;">His</div> <div style="background-color: #008000; color: white; padding: 5px; margin-left: 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 > 90% 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 : Hepatitis B virus (HBV), is the leading cause of liver diseases infecting an estimated 240 million persons worldwide. The HBV prevalence rates are variables between different countries, with an high level of endemicity in the south-eastern part of Europe. Seven main HBV-D subgenotypes have been described until now (D1-D7).

Synonyms : Hepatitis B virus; MHC; HBV

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

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