

# Human MART-1 (HLA-A\*02:01) Protein

Cat. No. MHC-HM435

## Description

<b>Source</b>	Recombinant Human MART-1 (HLA-A*02:01) Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and ELAGIGILTV peptide.
<b>Accession</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)&ELAGIGILTV
<b>Molecular Weight</b>	The protein has a predicted MW of 50.40 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

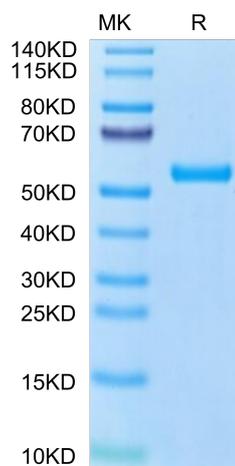
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## 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.

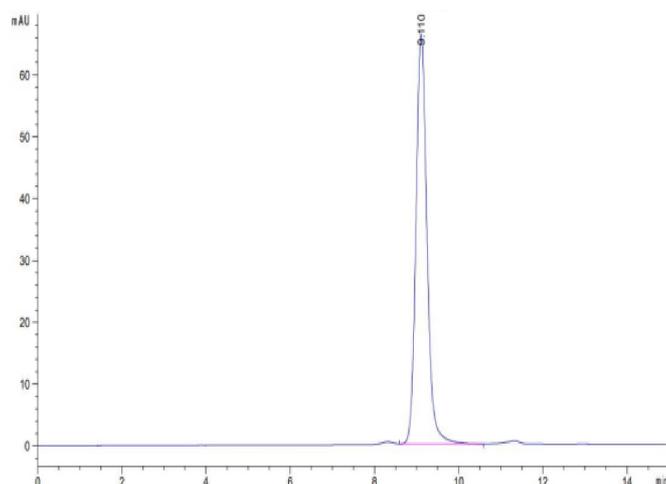
## Assay Data

### Tris-Bis PAGE



Human MART-1 (HLA-A\*02:01) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human MART-1 (HLA-A\*02:01) is greater than 95% as determined by SEC-HPLC.