

# Human HLA-A\*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer Protein

Cat. No. MHC-HE023

## Description

<b>Source</b>	Recombinant Human HLA-A*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and LLWPWFERL peptide.
<b>Accession</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)&LLWPWFERL
<b>Molecular Weight</b>	The protein has a predicted MW of 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M) same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

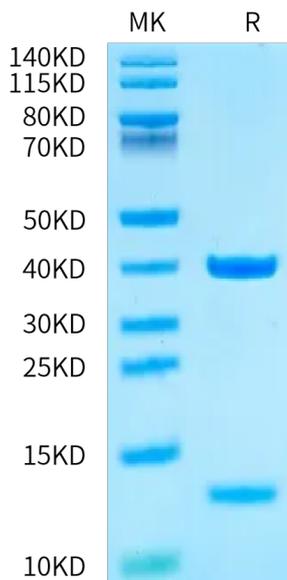
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Glutathione S-transferase omega-2 (GSTO2) is a unique member of the glutathione transferase superfamily with potential roles in cell growth regulation and protection against oxidative stress. It is distinct due to its lack of traditional GST activity, and it may contribute to disease development through post-transcriptional mechanisms.

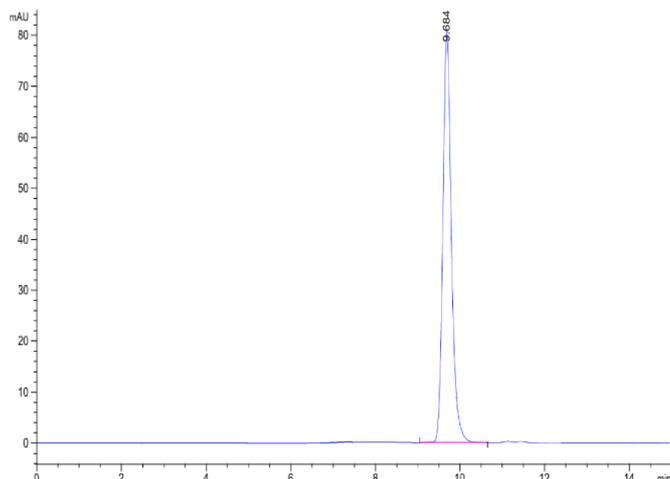
## Assay Data

### Bis-Tris PAGE



Human HLA-A\*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



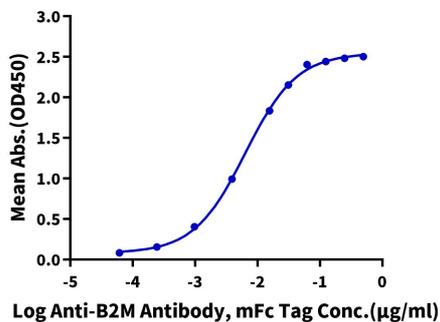
The purity of Human HLA-A\*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human HLA-A\*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer, His Tag ELISA

0.05µg Human HLA-A\*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer, His Tag Per Well



Immobilized Human HLA-A\*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 6.4 ng/ml determined by ELISA.