

Cat. No. MHC-HE023B

Description

Source	Recombinant Biotinylated 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.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&LLWPWFERL
Molecular Weight	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.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

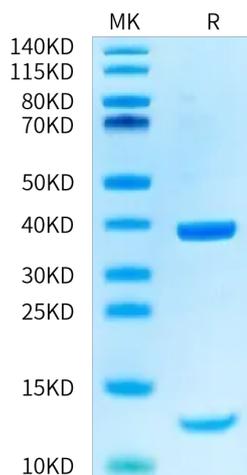
Formulation	Supplied as 0.22 µm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

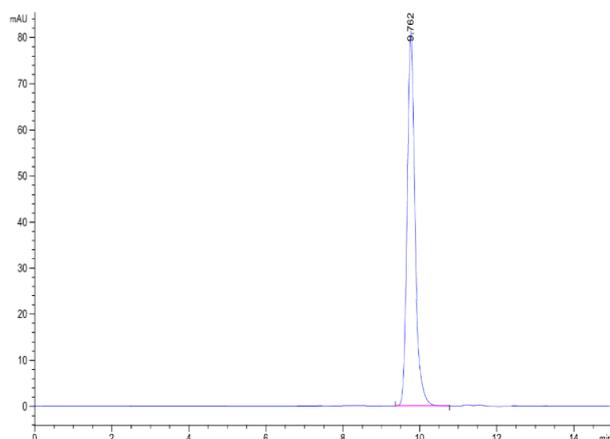
Assay Data

Bis-Tris PAGE



Biotinylated 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



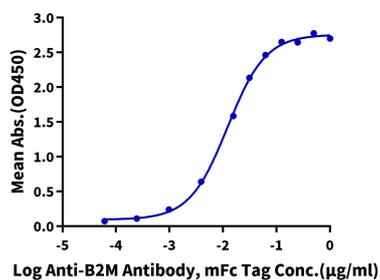
The purity of Biotinylated Human HLA-A*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

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

0.2µg Biotinylated Human HLA-A*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer, His Tag Per Well



Immobilized Biotinylated Human HLA-A*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer, His Tag at 2 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 12.2 ng/ml determined by ELISA.