

HLA-A*02:01&B2M&GSTO-2 (LLWPWFERL) Monomer Protein, Human, MHC (His & Avi)

General Information

Synonyms:	GSTO-2;GSTO 2-2;LLWPWFERL;MMA(V) reductase;GSTO2
Protein Construction:	Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and LLWPWFERL peptide
Species:	Human
Expression Host:	E. coli
Accession:	A0A140T913(HLA-A*02:01)&P61769(B2M)&LLWPWFERL
Molecular Weight:	35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M)

QC Testing

Biological Activity:	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 (QC Test).
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).

Preparation and Storage

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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