

HLA-A*02:01&B2M&MART-1 (EAAGIGILTV) Monomer Protein, Human, MHC (His & Avi), Biotinylated

General Information

Synonyms: MLANA;Melan-A;LB39-AA;MART1;SK29-AA
Protein Construction: Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and EAAGIGILTV peptide
Species: Human
Expression Host: E. coli
Accession: A0A140T913(HLA-A*02:01)&P61769(B2M)&EAAGIGILTV
Molecular Weight: 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M)

QC Testing

Biological Activity: Immobilized Biotinylated Human HLA-A*02:01&B2M&MART-1 (EAAGIGILTV) Monomer, His-Avi Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 18.1 ng/ml determined by ELISA.
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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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