

HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer Protein, Human, MHC (His & Avi),

General Information

Synonyms: MZ2D;Melanoma-associated antigen 3;MAGE-3;MZ2-D;CT1.3

Protein Construction: Gly25-Thr305 (HLA-A*01:01), Ile21-Met119 (B2M) and EVDPIGHLY peptide

Species: Human

Expression Host: HEK293 Cells

Accession: Q5SUL5(HLA-A*01:01)&P61769(B2M)&EVDPIGHLY

Molecular Weight: 50.30 kDa (Predicted); 53-63 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity: Immobilized Biotinylated Human HLA-A*01:01&B2M&MAGE-A3 (EVDPIGHLY) Monomer, His Tag at 1 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 10.9 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: Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

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 gene A3 (MAGE-A3) is one of the most immunogenic cancer testis antigens and is common in various types of cancers. MAGE-A3 can be considered as a predictor for poor prognosis and an option for vaccine

immunotherapy in patients with PCa.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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