

HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer Protein, Human, MHC (E. coli, His & Avi),

General Information

Synonyms: MAGE-X2;MHC I;HLA0201;MAGE4A;MAGE4B;member 4;CT1.4;MAGE-A4

Protein Construction: Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and GVYDGREHTV peptide

Species: Human

Expression Host: E. coli

Accession: A0A140T913(HLA-A*02:01)&P61769(B2M)&GVYDGREHTV

Molecular Weight: 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M)

QC Testing

Biological Activity: Immobilized Biotylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer, His-Avi Tag at 0.5 µg/ml (100 µl/Well) on streptavidin (5 µg/ml) precoated plate. Dose response curve for Anti-HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Antibody, hFc Tag with the EC50 of 3.5 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

Melanoma-associated antigen 4 is a protein that in humans is encoded by the MAGEA4 gene. The MAGE-A4 antigen is among the most commonly expressed cancer testis antigens. The Human HLA-A*0201 MAGE-A4 (GVYDGREHTV) complex Protein is a complex of HLA-A*0201 of the MHC Class I, B2M and GVYDGREHTV peptide of the MAGE-A4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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