

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

## General Information

Synonyms: MAGE-X2;CT1.4;MAGE4A;HLA0201;MHC I;MAGE-A4;member 4;MAGE4B  
Protein Construction: Gly25-Thr305 (HLA-A\*02:01), Ile21-Met119 (B2M) and GVDYDGREHTV peptide  
Species: Human  
Expression Host: E. coli  
Accession: A0A140T913(HLA-A\*02:01)&P61769(B2M)&GVYDGREHTV

## QC Testing

Biological Activity: Immobilized PE-Labeled Human HLA-A\*02:01&B2M&MAGE-A4 (GVYDGREHTV) Tetramer, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HLA-A\*02:01&B2M&MAGE-A4 (GVYDGREHTV) Antibody, hFc Tag with the EC50 of 3.9 ng/ml determined by ELISA (QC Test).  
Formulation: Supplied as 0.22 µm filtered solution in 20 mM Tris, 200 mM NaCl, 0.2% BSA (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 GVDYDGREHTV peptide of the MAGE-A4.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481