

RP02692

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Recombinant Human MAGE-A4 (HLA-A*02:01) Complex Tetramer Protein

Catalog No.: RP02692 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells		A0A140T913 (HLA-A*02:01)&P6 1769(B2M)& GVYDGREHT V

Tags

C-His&Avi

Synonyms

HLA0201; MHC I; MAGE-A4; CT1.4;
MAGE4A; MAGE4B; MAGE-X2; member
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Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting
the protein. For long term storage, it is
recommended to add a carrier protein
or stabilizer (e.g. 0.1% BSA, 5% HSA,
10% FBS or 5% Trehalose), and aliquot
the reconstituted protein solution to
minimize freeze-thaw cycles.

Contact



www.abclonal.com

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.

Basic Information

Description

Recombinant Human MAGE-A4 (HLA-A*02:01) Complex Tetramer Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal, tetramer is assembled by biotinylated monomer and streptavidin. ; It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and GVYDGREHTV peptide.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

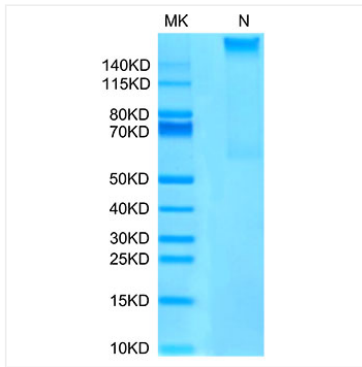
For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

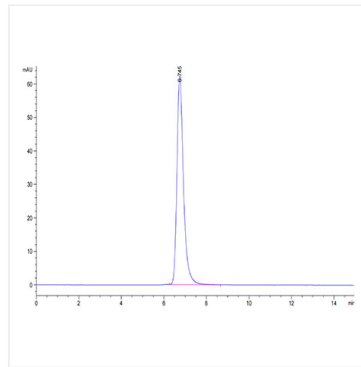
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

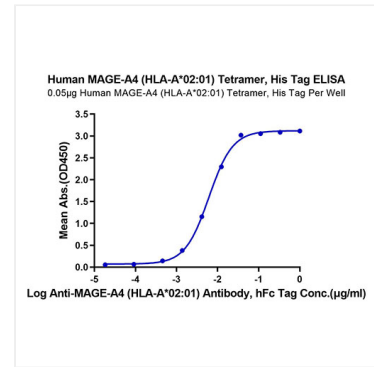
Validation Data



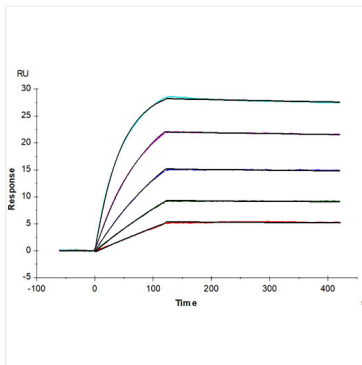
Recombinant Human MAGE-A4 (HLA-A*02:01) Complex Tetramer Protein was determined by Tris-Bis PAGE under non-reducing (NR) conditions.



The purity of Human MAGE-A4 (HLA-A*02:01) Tetramer is greater than 95% as determined by SEC-HPLC.



Immobilized Human MAGE-A4 (HLA-A*02:01) Tetramer, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-MAGE-A4 (HLA-A*02:01) Antibody, hFc Tag with the EC₅₀ of 6.1ng/ml determined by ELISA.



Anti-MAGE-A4 (HLA-A*02:01) Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Human MAGE-A4 (HLA-A*02:01) Tetramer, His Tag with an affinity constant of 8.49pM as determined in SPR assay (Biacore T200).