

PE-Labeled Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Tetramer Protein



Cat. No. MHC-HE047TP

Description

Source	Recombinant PE-Labeled Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Tetramer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. PE-Labeled Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and GVYDGREHTV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&GVYDGREHTV
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
Endotoxin	Less than 1 EU per µg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl, 0.2% BSA (pH 8.0).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

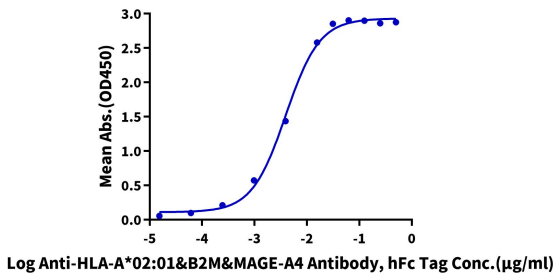
Background

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.

Assay Data

ELISA Data

PE-Labeled Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Tetramer, His Tag ELISA
0.1µg PE-Labeled Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Tetramer, His Tag Per Well



Immobilized PE-Labeled Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Tetramer, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Antibody, hFc Tag with the EC50 of 3.9ng/ml determined by ELISA.