

Cat. No. MHC-HM459TP

Description

Source Recombinant PE-Labeled Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin.

It contains Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and GLYDGMEHL peptide.

Accession

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

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**

Lyophilized from 0.22 µm filtered solution in PBS, 0.2% BSA (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Storage

-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

MAGE-A10 is a subtype of the Melanoma-associated antigen A (MAGE-A), a class of tumor antigens that are extensively expressed in various histological types of tumors and represents an attractive target for tumor immunotherapy. High-level expression of MAGE-A10 improved the anti-tumor immune cytotoxicity of MAGE-A10-specific CTLs in lung cancer cell lines and primary lung cancer cells.