PE-Labeled Human HLA-A*02:01&B2M&MAGE-A10 (GLYDGMEHL) Tetramer Protein

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

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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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.

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