

Human MAGE-A3 (HLA-A*01:01) Tetramer Protein

Cat. No. MHC-HM427T

Description

Source	Recombinant Human MAGE-A3(HLA-A*01:01) 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*01:01),Ile21-Met119(B2M) and EVDPIGHLY peptide.
Accession	Q5SUL5(HLA-A*01:01)&P61769(B2M)&EVDPIGHLY
Molecular Weight	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

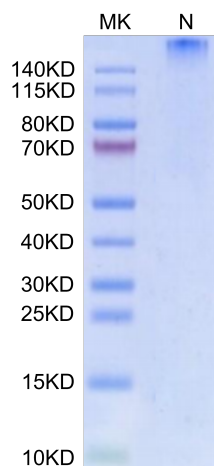
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Background

Melanoma antigen gene A3 (MAGE-A3) is one of the most immunogenic cancer testis antigens and is common in various types of cancers. MAGE-A3 can be considered as a predictor for poor prognosis and an option for vaccine immunotherapy in patients with PCa.

Assay Data

Tris-Bis PAGE



Human MAGE-A3 (HLA-A*01:01) Tetramer on Tris-Bis PAGE under Non reducing (N) condition. The purity is greater than 95%.

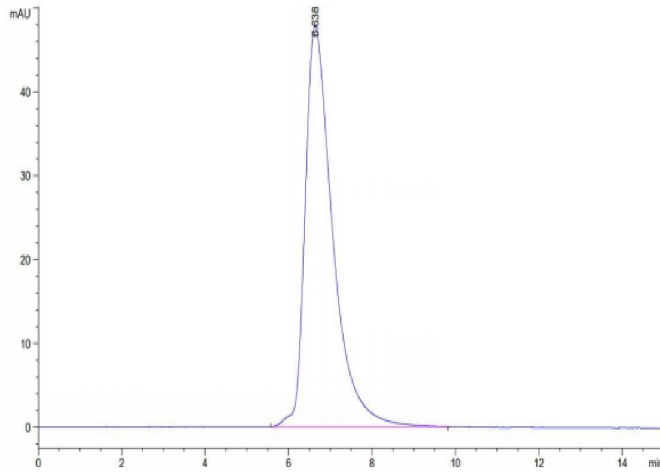
SEC-HPLC

Human MAGE-A3 (HLA-A*01:01) Tetramer Protein

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Assay Data



The purity of Human MAGE-A3 (HLA-A*01:01) Tetramer is greater than 95% as determined by SEC-HPLC.