Human HLA-A*24:02&B2M&MAGE-A3 (IMPKAGLLI) Monomer Protein

Cat. No. MHC-HM434

Description

Source	Recombinant Human MAGE-A3(HLA-A*24:02) Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly25-Thr305(HLA-A*24:02), Ile21-Met119(B2M) and IMPKAGLLI peptide.
Accession	AAA59600.1(HLA-A*24:02)&P61769(B2M)&IMPKAGLLI
Molecular Weight	The protein has a predicted MW of 50.20 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

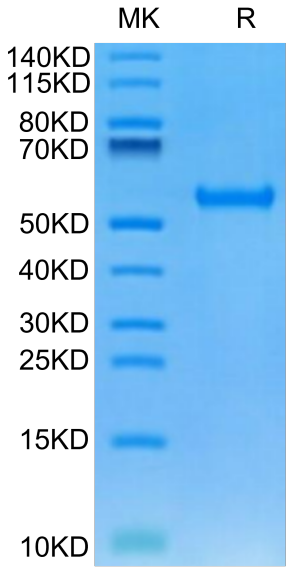
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

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

Bis-Tris PAGE



Human HLA-A*24:02&B2M&MAGE-A3 (IMPKAGLLI) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human HLA-A*24:02&B2M&MAGE-A3 (IMPKAGLLI) Monomer Protein

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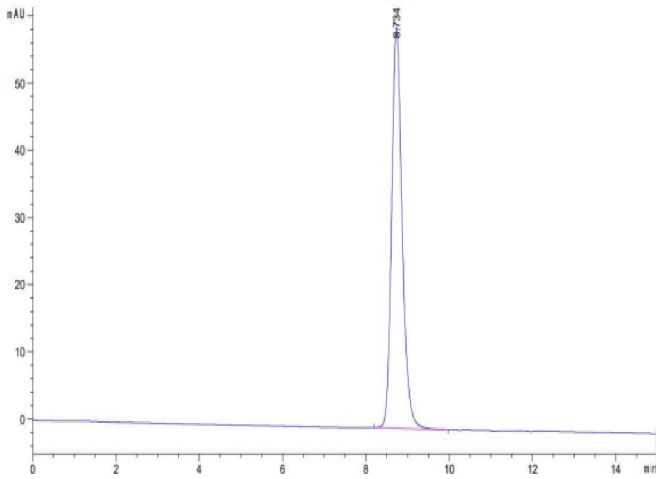
Assay Data



The purity of Human HLA-A*24:02&B2M&MAGE-A3 (IMPKAGLLI) Monomer is greater than 95% as determined by SEC-HPLC.