

Chimeric HLA-A*02:01 (α3) &mB2M&MAGE-A2 (KMVELVHFL) Monomer Protein



Cat. No. MHC-HM104

Description

Source	Recombinant Chimeric HLA-A*02:01 (α3) &mB2M&MAGE-A2 (KMVELVHFL) Monomer Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly25-Thr206 (Human HLA-A*02:01 α1&α2) and Asp207-Glu299 (Mouse H-2Ld α3), Ile21-Met119 (mB2M) and KMVELVHFL peptide.
Accession	A0A140T913(Human HLA-A*02:01 α1&α2)&P01897(Mouse H-2Ld α3)&P01887(Mouse B2M)&KMVELVHFL
Molecular Weight	The protein has a predicted MW of 48.00 kDa. Due to glycosylation, the protein migrates to 50-65 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	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 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 antigen gene (MAGE)-A2 (MAGEA2) is a member of the MAGE-A family proteins widely studied for cancer vaccine development and identification of tumor markers. MAGEA2 plays an oncogenic role in glioma progression, and they provide insight into MAGEA2 application as a novel predictor of clinical outcomes and a potential glioma biomarker.

Assay Data

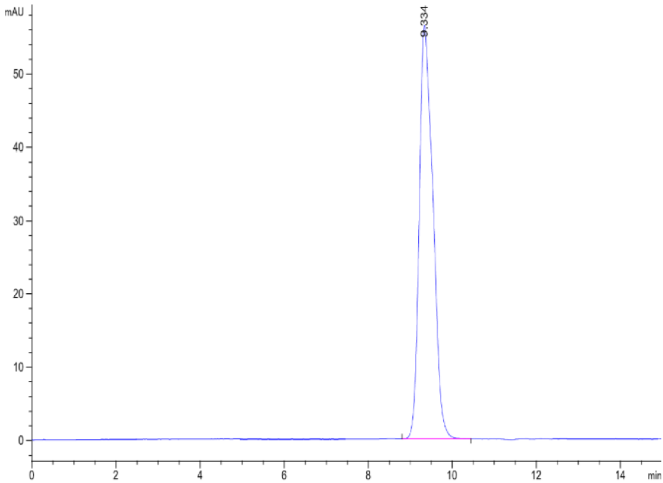
Bis-Tris PAGE



Chimeric HLA-A*02:01 (α3) &mB2M&MAGE-A2 (KMVELVHFL) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Chimeric HLA-A*02:01 (mα3) &mB2M&MAGE-A2 (KMVELVHFL) Monomer is greater than 95% as determined by SEC-HPLC.