Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer Protein

Cat. No. MHC-HM401B

Description

Source	Recombinant Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and GVYDGREHTV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&GVYDGREHTV
Molecular Weight	The protein has a predicted MW of 50.5 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

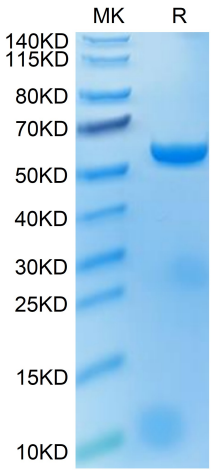
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Melanoma-associated antigen 4 is a protein that in humans is encoded by the MAGEA4 gene.The MAGE- A4 antigen is among the most commonly expressed cancer testis antigens. The Human HLA-A*0201 MAGE-A4 (GVYDGREHTV) Complex Protein is a complex of HLA-A*0201 of the MHC Class I, B2M and GVYDGREHTV peptide of the MAGE-A4.

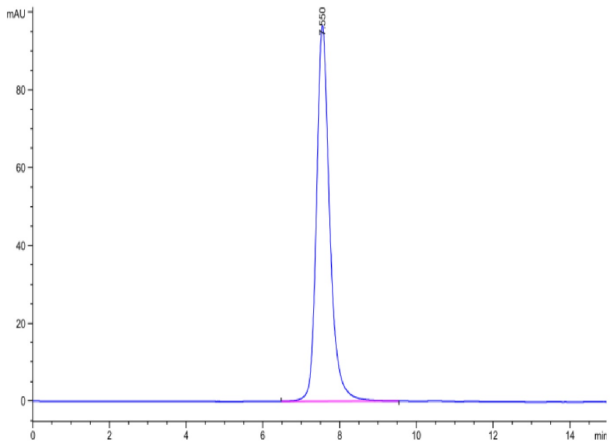
Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer was greater than 95% as determined by SEC-HPLC.

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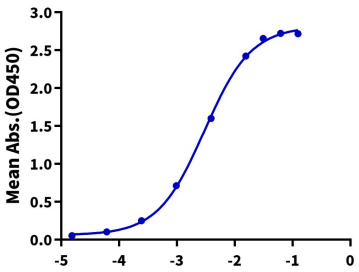
Assay Data

ELISA Data

Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV), His Tag ELISA

0.05μg Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV), His Tag Per Well



Log Anti-HLA-A*02:01&B2M&MAGE-A4 Antibody, hFc Tag Conc.(μg/ml)

Immobilized Biotinylated Human HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Monomer, His Tag at 0.5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-HLA-A*02:01&B2M&MAGE-A4 (GVYDGREHTV) Antibody, hFc Tag with the EC50 of 3.0ng/ml determined by ELISA.