Human HLA-A*02:01&B2M&MTMR5 (KMQGAPPAV) Monomer Protein

Cat. No. MHC-HE029

Description

Source	Recombinant Human HLA-A*02:01&B2M&MTMR5 (KMQGAPPAV) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus.
	It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and KMQGAPPAV peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&KMQGAPPAV
Molecular Weight	The protein has a predicted MW of 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M) same as 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

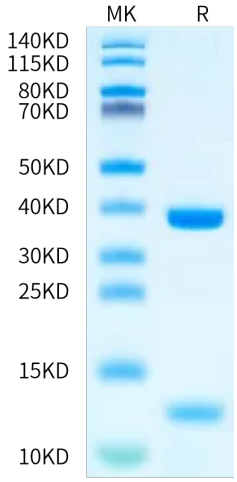
Formulation	Supplied as 0.22 μm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The human SBF1 (SET binding factor 1) gene, alternatively known as MTMR5, is predominantly expressed in the brain, and its epigenetic dysregulation is linked to late-onset neurocognitive disorders (NCDs), such as Alzheimer's disease.

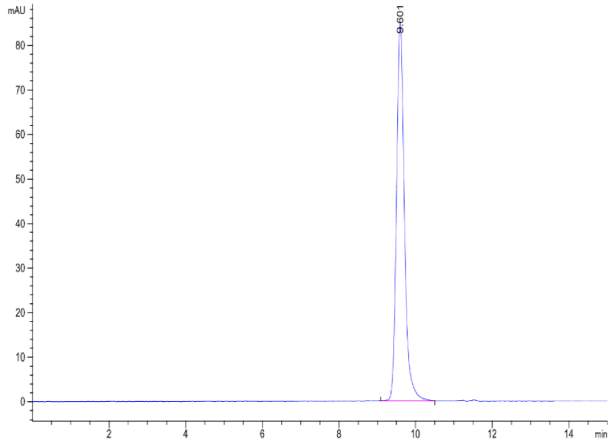
Assay Data

Bis-Tris PAGE



Human HLA-A*02:01&B2M&MTMR5 (KMQGAPPAV) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human HLA-A*02:01&B2M&MTMR5 (KMQGAPPAV) Monomer is greater than 95% as determined by SEC-HPLC.

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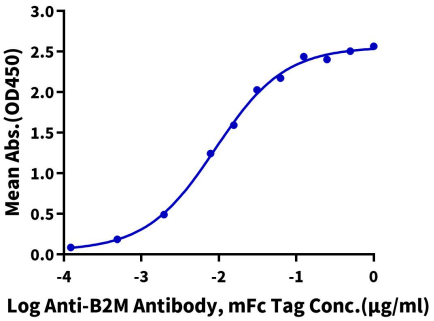
Assay Data

ELISA Data

Human HLA-A*02:01&B2M&MTMR5 (KMQGAPPAV) Monomer, His Tag ELISA

0.05μg Human HLA-A*02:01&B2M&MTMR5 (KMQGAPPAV) Monomer, His Tag Per Well



Immobilized Human HLA-A*02:01&B2M&MTMR5 (KMQGAPPAV) Monomer, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 9.0ng/ml determined by ELISA (QC Test).