Human HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM) Monomer Protein

Cat. No. MHC-HE019

Description

Source	Recombinant Human HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM) 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 KVDRFLYHM peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&KVDRFLYHM
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

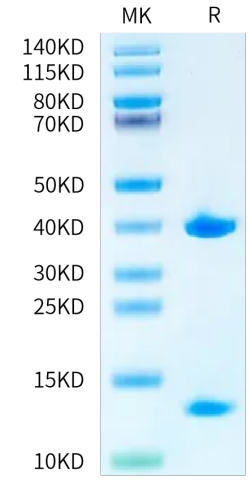
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Hexokinase (HK) is an enzyme that irreversibly phosphorylates hexoses (six-carbon sugars), forming hexose phosphate. In most organisms, glucose is the most important substrate for hexokinases, and glucose-6-phosphate is the most important product. There are four known isoforms of hexokinase in humans: HK1, HK2, HK3, and HK4 (also known as glucokinase). Each isoform has distinct properties and functions within the cell.

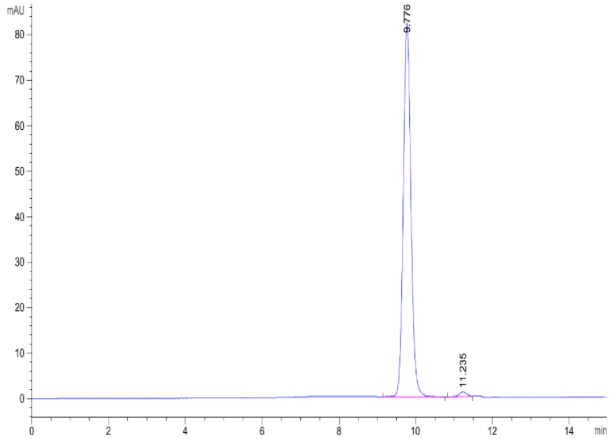
Assay Data

Bis-Tris PAGE



Human HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM) 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&HKDC1 (KVDRFLYHM) Monomer is greater than 95% as determined by SEC-HPLC.

Human HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM) Monomer Protein

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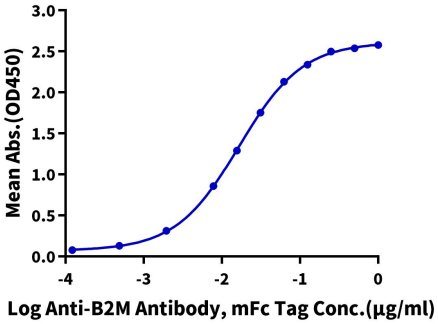
Assay Data

ELISA Data

Human HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM) Monomer, His Tag ELISA

0.05μg Human HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM) Monomer, His Tag Per Well



Immobilized Human HLA-A*02:01&B2M&HKDC1 (KVDRFLYHM) 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 16.6ng/ml determined by ELISA.