

Human HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI) Tetramer Protein

Cat. No. MHC-HM493T

Description

Source Recombinant Human HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus, tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and ILNNFPHSI peptide.

Accession A0A140T913(HLA-A*02:01)&P61769(B2M)&ILNNFPHSI

Molecular Weight The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reduced (N) condition 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).

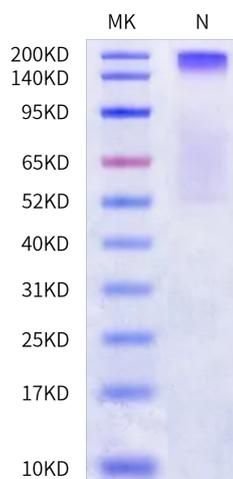
Storage Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Kita-Kyushu lung cancer antigen-1 (KK-LC-1), encoded by CT83, includes epitope peptides recognized by cytotoxic T lymphocytes (CTLs). CTLs against KK-LC-1 predominantly accumulate among tumor-infiltrating lymphocytes, which leads to a good response to adaptive immunotherapy. Except for the testis, KK-LC-1 is not expressed in normal tissues. It is expressed in 33%, 82%, and 75% of non-small cell lung cancers, GC, and triple-negative breast cancers, respectively.

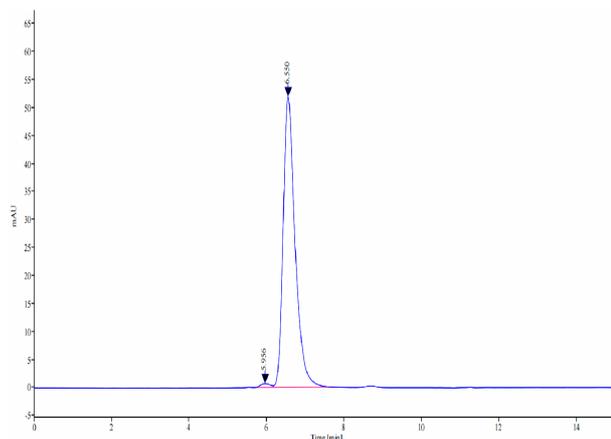
Assay Data

Bis-Tris PAGE



Human HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI) Tetramer on Bis-Tris PAGE under Non reduced (N) condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI) Tetramer is greater than 95% as determined by SEC-HPLC.