

Cat. No. MHC-HM493TC

Description**Source**

Recombinant APC-Labeled Human HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. APC-Labeled Human HLA-A*02:01&B2M&KKLC1 (ILNNFPHSI) Tetramer is assembled by biotinylated monomer and APC-Labeled streptavidin.

It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and ILNNFPHSI peptide.

Accession

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

Formulation and Storage**Formulation**

Supplied as 0.22 µm filtered solution in 100mM L-arginine, 0.2% BSA (pH 7.4).

Storage

Valid for 6 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.