

PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer Protein



Cat. No. MHC-MM453TP

Description

Source Recombinant PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin.

It contains His24-Pro297 (H-2K(b)), Ile21-Met119 (B2M) and SIINFEKL peptide.

Accession P01901(H-2K(b))&P01887(B2M)&SIINFEKL

Wavelength Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Endotoxin Less than 1EU per µg by the LAL method.

Formulation and Storage

Formulation Supplied as 0.22 µm filtered solution in PBS, 300mM NaCl (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

Ovalbumin (OVA) has been historically a popular source of such antigens, since OVA can induce both humoral and cellular immune responses based on well-characterised peptide epitopes. The OVA257-264 octapeptide was one of the first OVA epitopes to be characterised, it has an amino acid sequence SIINFEKL, which is recognised by cytotoxic T lymphocytes. SIINFEKL forms fibrillar assemblies similar to other peptide hydrogels. The immunoactive properties of this peptide can therefore be related to its self-assembling nature.