

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 1 EU per µg by the LAL method.

Formulation and Storage

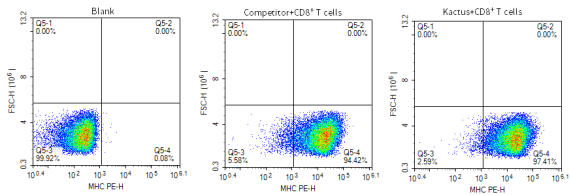
Formulation	Supplied as 0.22 µm filtered solution in PBS, 300mM NaCl (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

Assay Data

FACS Data



PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer can specifically bind to CD8<sup>+</sup>, OVA-specific T cells from OT-I TCR transgenic mice. Cells were incubated with 10 µg/ml PE-Labeled Mouse H-2K(b)&B2M&OVA (SIINFEKL) Tetramer.