

PE-Labeled Mouse I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR) Tetramer Protein



Cat. No. MHC-MM411TP

Description

Source	Recombinant PE-Labeled Mouse I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. PE-Labeled Mouse I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR) Tetramer is assembled by biotinylated monomer and PE-Labeled streptavidin. It contains Ile27-Glu218 (H2-Aa), Ser30-Lys226 (H2-Ab1) and ISQAVHAAHAEINEAGR peptide.
Accession	P14434(H2-Aa)&P14483(H2-Ab1)&ISQAVHAAHAEINEAGR
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS, 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

OVA 323–339 (ISQAVHAAHAEINEAGR) is a 17–amino acid peptide from chicken Ovalbumin. It is a well-known CD4 T-cell epitope presented by MHC class II molecules to activate helper T cells. This peptide is widely used in mice to study antigen-specific T-cell responses and immune regulation, including models of allergy and autoimmunity. Its defined sequence and reproducible immunogenicity make it a common tool in immunology research.