Biotinylated Mouse I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR) Monomer Protein

Cat. No. MHC-MM4I1B

Description

Source	Recombinant Biotinylated Mouse I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus.
	It contains Ile27-Glu218 (H2-Aa), Ser30-Lys226 (H2-Ab1) and ISQAVHAAHAEINEAGR peptide.
Accession	P14434(H2-Aa)&P14483(H2-Ab1)&ISQAVHAAHAEINEAGR
Molecular Weight	The protein has a predicted MW of 28.5 kDa. Due to glycosylation, the protein migrates to 35-40 kDa and 42-50 kDa 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

Formulation and Storage

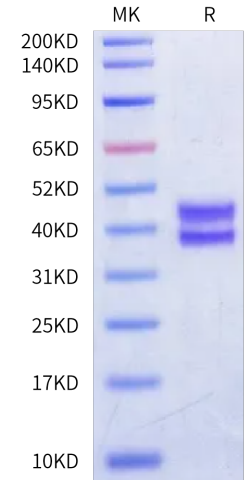
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

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.

Assay Data

Bis-Tris PAGE



Biotinylated Mouse I-Ab&OVA 323-339 (ISQAVHAAHAEINEAGR) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.